CAREERS360

PREPARATION Series

Syllogism

All Questions with Solutions

Q. 1 **Directions:** In the following question, two statements are given, followed by two conclusions, I and II. You have to consider the two statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

A graduate is a man.

This thief is a graduate.

Conclusions:

I. This thief is a man.

II. Some men are thieves.

Option 1:
Only conclusion I follows

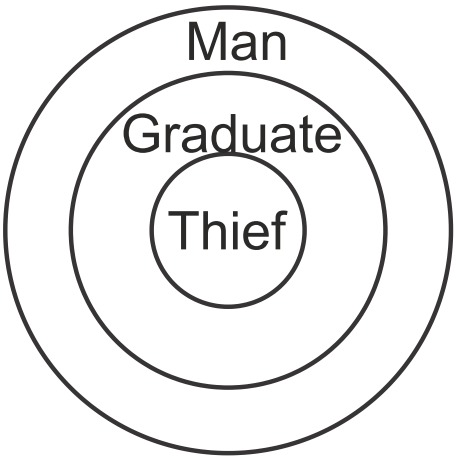
Option 2:
Only conclusion II follows

Option 3:
Neither conclusion I nor conclusion II follows

Option 4:
Both conclusion I and conclusion II follow

Correct Answer:
Both conclusion I and conclusion II follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Now, let's analyse the conclusions –
Conclusion (I): This thief is a man – From the Venn diagram, the circle of the thief is completely inside the circle of man. So, any thief will be a man and this conclusion follows.
Conclusion (II): Some men are thieves – From the Venn diagram, we can see that some part of the area that represents the man is outside the area that represents thieves. This means that some men are thieves. So, this conclusion follows.

Therefore, both conclusion I and conclusion II follow. Hence, the **fourth option** is correct.

Q. 2 **Directions:** In the following question, two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if they are seen to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statements:

1. All dawns are day.
2. No day is night.

Conclusions:

I. No night is day.

II. Some dawns are night.

Option 1:
Only conclusion I follows

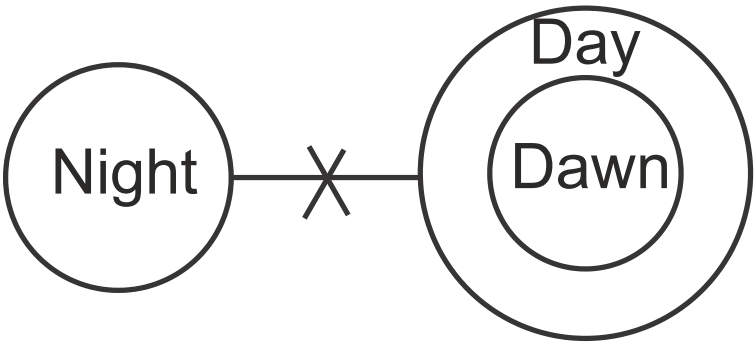
Option 2:
Only conclusion II follows

Option 3:
Both I and II follow

Option 4:
Neither I nor II follows

Correct Answer:
Only conclusion I follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): No night is day – From the diagram, we can see that circles representing night and day have a negative relation between them. So, this conclusion follows.
Conclusion (II): Some dawns are night – From the diagram, we can see that circles representing night and day have a negative relation between them and dawn is the part of day, which implies that no dawn is night. So, this conclusion does not follow.

So, the only conclusion I follows. Hence, the **first option** is correct.

Q. 3 **Directions:** In the following question two statements are given, followed by two conclusions I and II. You have to consider the statements to be true even if they are seen to be at variance from commonly known facts. You have to decide which of the given conclusions, if any follows from the given statements.

Statements:

I. All flowers are leaves.

II. Some flowers are plants.

Conclusions:

I. Some leaves are plants.

II. Some plants are flowers.

Option 1:
Only conclusion I follows

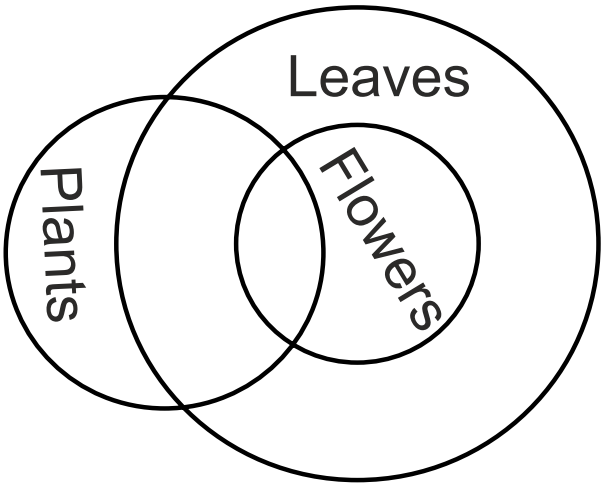
Option 2:
Only conclusion II follows

Option 3:
Both I and II follow

Option 4:
Neither I nor II follows

Correct Answer:
Both I and II follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some leaves are plants – From the diagram, we can see that some parts of the circles that represent plants and leaves intersect each other and have some common area between them, which means that some leaves are plants is a true conclusion.
Conclusion (II): Some plants are flowers – From the diagram, we can see that some parts of the circles that represent plants and flowers intersect each other and have some common part between them, which means that some plants are flowers is a true conclusion.

Therefore, both conclusions I and II follow is the correct answer. Hence, the **third option** is correct.

Q. 4 **Directions:** In the following question two statements are given, followed by two conclusions I and II. You have to consider the statements to be true even if they are seen to be at variance from commonly known facts. You have to decide which of the given conclusions, if any follows from the given statements.

Statements:

I. All clouds are fogs.

II. All fogs are white.

Conclusions:

I. Some white are clouds.

II. Some fogs are clouds.

Option 1:
Only conclusion I follows

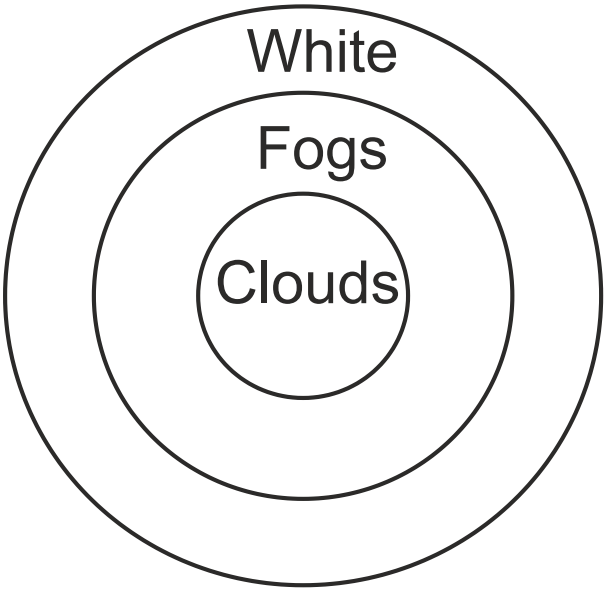
Option 2:
Only conclusion II follows

Option 3:
Both I and II follow

Option 4:
Neither I nor II follows

Correct Answer:
Both I and II follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Now, let's analyse the conclusions –
Conclusion (I): Some white are clouds – From the diagram, we can see that the circle of clouds is completely inside the circle of white. Therefore, some white are clouds is a true conclusion.
Conclusion (II): Some fogs are clouds – From the diagram, we can see that the circle of clouds is completely inside the circle of white. Therefore, some fogs are clouds is a true conclusion.

Therefore, both conclusions I and II follow. Hence, the **third option** is correct.

Q. 5 **Directions:** In the following question, two statements are given followed by two conclusions I and II. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

1. All men are prisoners.
2. No prisoners are educated.

Conclusions:

I. All prisoners are educated.

II. No men are educated.

Option 1:
Only conclusion I follows

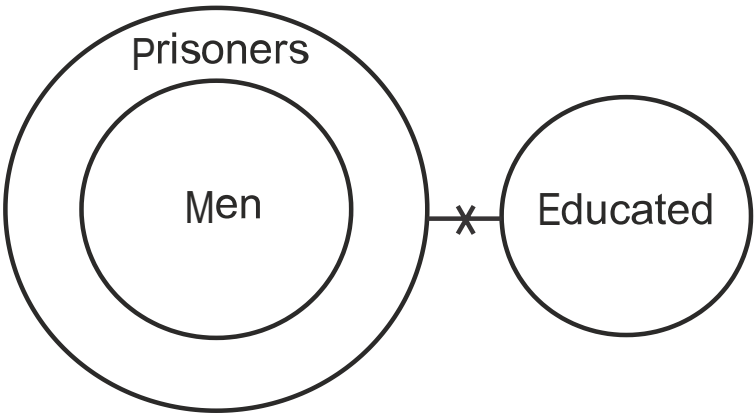
Option 2:
Only conclusion II follows

Option 3:
Neither I nor II follows

Option 4:
Both conclusion I and conclusion II follow

Correct Answer:
Only conclusion II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All prisoners are educated – From the Venn diagram, we can see that none of the prisoners are educated as there is no overlap. So, this conclusion does not follow.
Conclusion (II): No men are educated – From the Venn diagram, we can see that none of the prisoners are educated and the circle of men lies inside the circle of prisoners. So, from this, it can be inferred that if no prisoners are educated then no men are educated. Thus, this conclusion follows.

So, only conclusion II follows. Hence, the **second option** is correct.

Q. 6 **Directions:** In the following question, two statements are given followed by two conclusions I and II. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

I. Sohan is a good sportsman.

II. Sportsmen are healthy.

Conclusions:

I. All healthy people are sportsmen.

II. Sohan is healthy.

Option 1:
Conclusion I follows

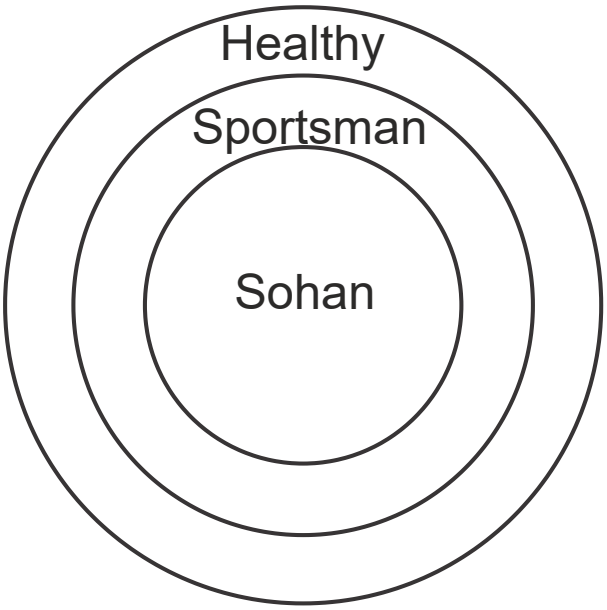
Option 2:
Conclusion II follows

Option 3:
Neither conclusion I nor conclusion II follows

Option 4:
Both conclusion I and conclusion II follow

Correct Answer:
Conclusion II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All healthy people are sportsmen – From the Venn diagram, the circle of sportsmen is completely inside the circle of healthy. Therefore, some healthy people are sportsmen is correct but all healthy people are sportsmen is a false conclusion.
Conclusion (II): Sohan is healthy – From the Venn diagram, the circle that represents Sohan lies completely inside the circle that represents healthy. So, this conclusion follows.

Thus, only conclusion II follows. Hence, the **second option** is correct.

Q. 7 **Directions:** In the following question below, some statements are followed by some conclusions. Taking the given statements to be true, even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows from the given statements.

Statements:

I. All dogs are bullocks.

II. All bullocks are goats.

Conclusions:

I. All dogs are goats.

II. All goats are dogs.

Option 1:
Conclusion I follows

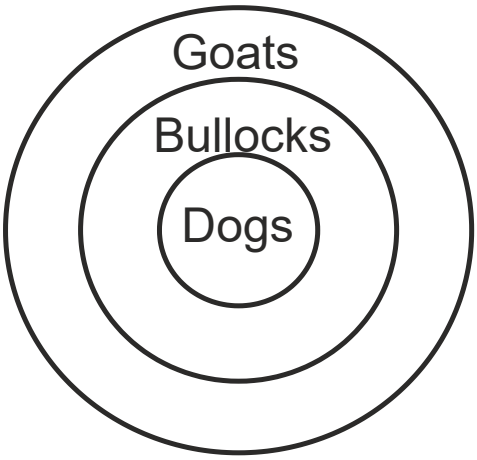
Option 2:
Conclusion II follows

Option 3:
Neither conclusion I nor conclusion II follows

Option 4:
Both conclusion I and conclusion II follow

Correct Answer:
Conclusion I follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All dogs are goats – From the Venn diagram, we can see that the circle that represents dogs lies completely inside the circle that represents goats. This means that all the dogs are goats. So, this conclusion follows.
Conclusion (II): All goats are dogs – From the Venn diagram, we can see that the circle of dogs completely lies inside the circle of goats, implying that some goats are dogs. So, this conclusion does not follow.

So, the only conclusion I follows. Hence, the **first option** is correct.

Q. 8 **Directions:** In the following question, two statements are given followed by two conclusions I and II. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

No man is a donkey.

Rahul is a man.

Conclusions:

I. Rahul is not a donkey.

II. All men are not Rahul.

Option 1:
Either conclusion I or conclusion II follows

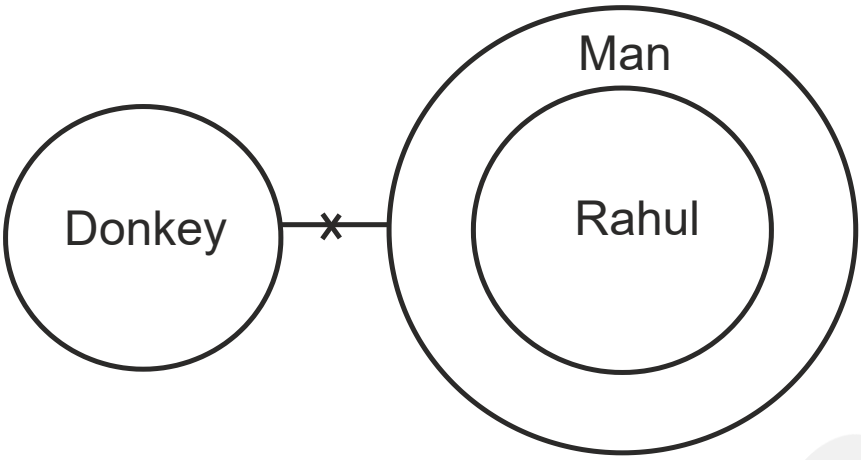
Option 2:
Neither conclusion I nor II follows

Option 3:
Only conclusion I follows

Option 4:
Only conclusion II follows

Correct Answer:
Only conclusion I follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Rahul is not a donkey – From the Venn diagram, we can see that no man is a donkey and the circle of Rahul is completely inside the circle of man. Therefore, Rahul is not a donkey is a true conclusion.
Conclusion (II): All men are not Rahul – From the Venn diagram, we can see that there is no negative relation between the men and Rahul. Therefore, this conclusion does not follow.

So, the only conclusion I follows. Hence, the **third option** is correct.

Q. 9 **Directions:** In the following question below, some statements are followed by some conclusions. Taking the given statements to be true, even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows from the given statements.

Statements:

I. All whites are liquid.

II. Some poles are white.

Conclusions:

I. All poles are liquid.

II. Some liquids are poles.

III. All liquids are white.

Option 1:
Only conclusion I follows

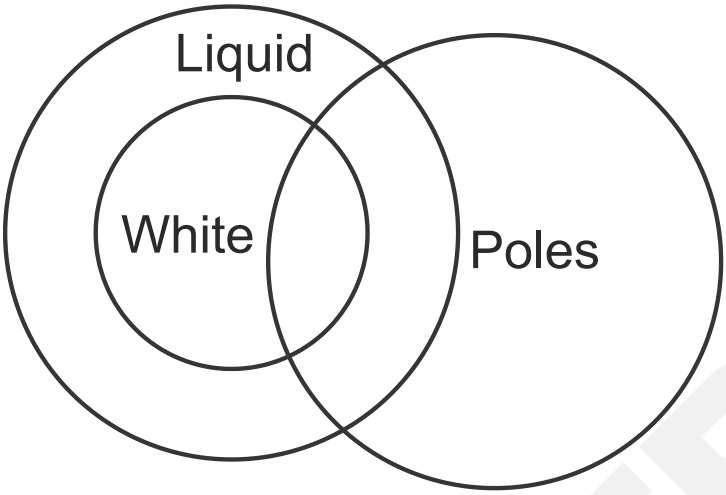
Option 2:
Only conclusion II follows

Option 3:
Only conclusion II and III follow

Option 4:
Neither conclusion follows

Correct Answer:
Only conclusion II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All poles are liquid – The circle of poles intersects with the circle of liquid and has only some common part between them. Therefore, some poles are liquid is correct but all poles are liquid is a false conclusion.
Conclusion (II): Some liquids are poles – The circle of poles intersects with the circle of liquid and has only some common part between them. Therefore, some poles are liquid is a true conclusion.
Conclusion (III): All liquids are white – From the Venn diagram, we can see that some part of the circle representing liquid is outside the circle representing white. So, all liquids cannot be white. So, this conclusion does not follow.

So, only conclusion II follows. Hence the **second option** is correct.

Q. 10 **Directions:** In the following question below, some statements are followed by some conclusions. Taking the given statements to be true, even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows from the given statements.

Statements:

I. All women are hardworking.

II. All intelligent are advocates.

III. Some intelligent are women.

Conclusions:

I. Some advocates are women.

II. Some hardworking are women.

III. Some women are advocates.

IV. Some hardworking are intelligent.

Option 1:

Only conclusions II, III, and IV follow

Option 2:

Only conclusions I, II, and III follow

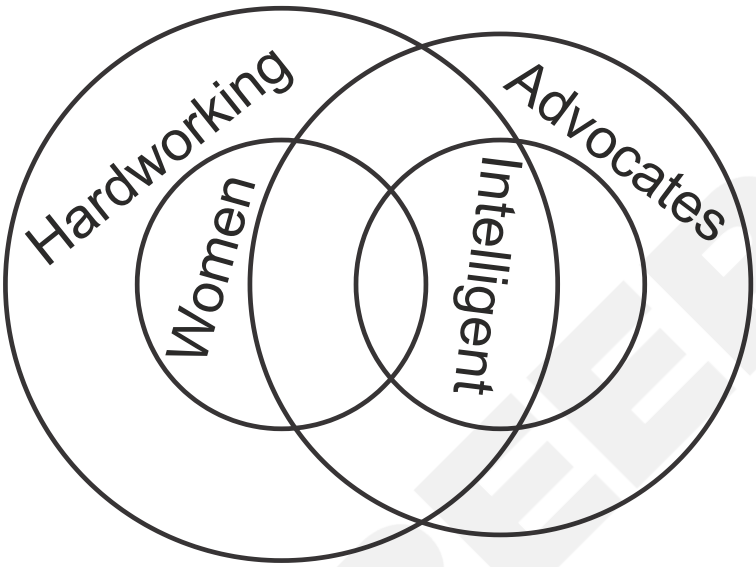
Option 3:

Only conclusions I, III, and IV follow

Option 4:
All conclusions follow

Correct Answer:
All conclusions follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some advocates are women – From the Venn diagram, we can see that the circles representing advocates and women intersect and have some areas in common. So, some advocates are women. Therefore, this conclusion follows.
Conclusion (II): Some hardworking are women – From the Venn diagram, the circle of women is completely inside the circle of hardworking. Therefore, this conclusion follows.
Conclusion (III): Some women are advocates – From the Venn diagram, we can see that the circles representing advocates and

women intersect and have some areas in common. So, some women are advocates. Therefore, this conclusion follows.
Conclusion (IV): Some hardworking are intelligent – From the Venn diagram, we can see that the circles representing hardworking and intelligent intersect each other and have some areas in common. So, some hardworking are intelligent. Therefore, this conclusion follows.

So, all conclusions follow. Hence, the **fourth option** is correct.

Q. 11 **Directions:** In the following question, two statements are given, followed by two conclusions, I and II. You have to consider the two statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:
1. Some pens are glass.
2. All glass is wall.

Conclusions:
I. Some walls are pens.
II. Some walls are glass.

Option 1:
Only conclusion I follows

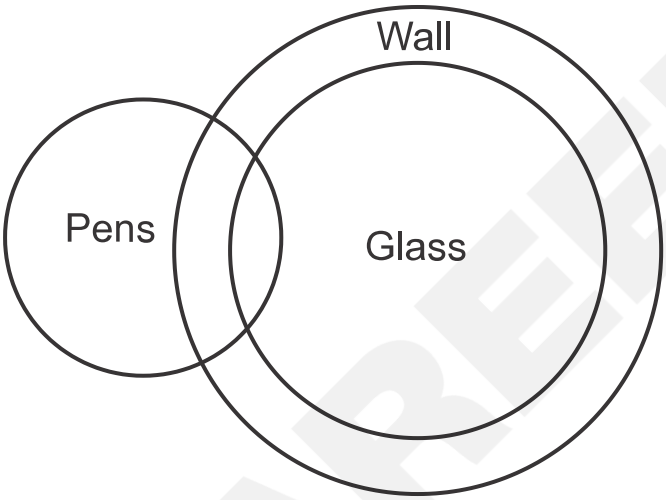
Option 2:
Only conclusion II follows

Option 3:
Both conclusion I and conclusion II follow

Option 4:
Neither conclusion I nor II follows

Correct Answer:
Both conclusion I and conclusion II follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some walls are pens – From the Venn diagram, we can see that the circles representing walls and pens intersect and have some areas in common. So, some walls are pens is a true conclusion.
Conclusion (II): Some walls are glass – From the Venn diagram, we can see that the circle of glass is completely inside the circle of the wall. So, some walls are glass is a true conclusion.

So, both conclusions I and II follow. Hence the **third option** is correct.

Q. 12 **Directions:** In the following question, two statements are given, followed by three conclusions: I, II, and III. You have to consider the two statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

I. Some beautiful are intelligent.

II. All intelligent are daughter.

Conclusions:

(I) Some intelligent are beautiful.

(II) Some daughters are intelligent.

(III) Some beautiful are daughters.

Option 1:
Only conclusions I and II follow

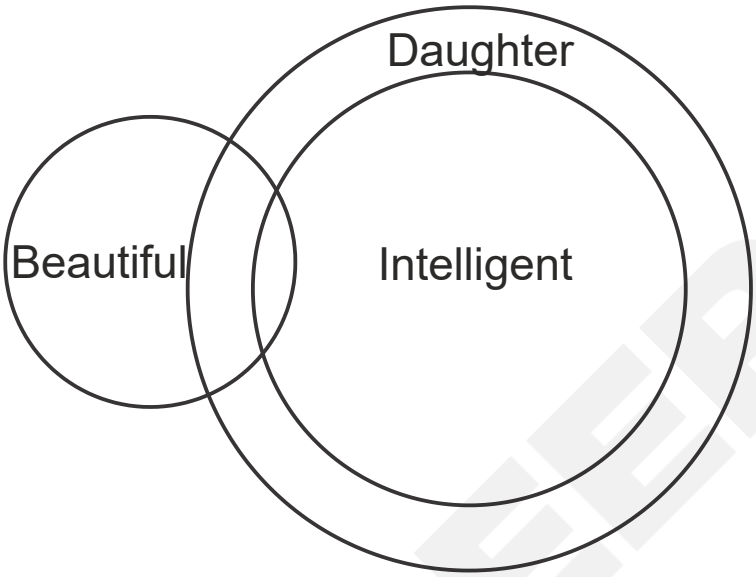
Option 2:
Only conclusion I and III follow

Option 3:
Only conclusions II and III follow

Option 4:
All conclusions follow

Correct Answer:
All conclusions follow

Solution:
The possible Venn diagram for the given statements –



Let's analyse the conclusions –
Conclusion (I): Some intelligent are beautiful – According to the Venn diagram, the circle of intelligent and the circle of beautiful intersect and have a common area between them. So, some intelligent are beautiful is a true conclusion.
Conclusions (II): Some daughters are intelligent – According to the Venn diagram, the circle of intelligent is completely inside the circle of the daughter. So, some daughters are intelligent is a true conclusion.
Conclusions (III): Some beautiful are daughters – According to the

Venn diagram, the circle of daughter and the circle of beautiful intersect and have a common area between them. So, some beautiful are daughters is a true conclusion.

So, all conclusions follow is the correct answer. Hence, the **fourth option** is correct.

Q. 13 **Directions:** In the following question, two statements are given followed by three conclusions I, II, and III. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

No cup is plate.

All plates are spoons.

Conclusions:

I. Some cups are spoons.

II. Some spoons are plates.

III. Some plates are spoons.

Option 1:

Only conclusion II follows

Option 2:

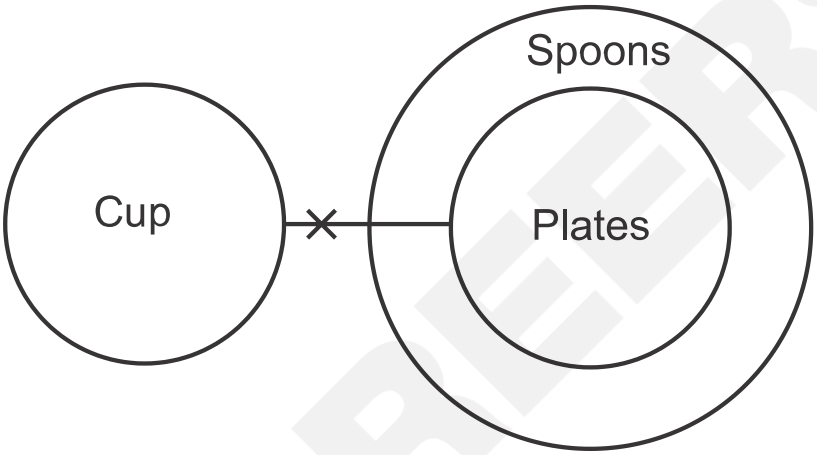
Only conclusion III follows

Option 3:
Only conclusions I and III follow

Option 4:
Only conclusions II and III follow

Correct Answer:
Only conclusions II and III follow

Solution:
The possible Venn diagram for the according to the given statements –



Let's analyse the conclusions –
Conclusion (I): Some cups are spoons – From the Venn diagram, there is no definite relation between the circle of the cup and the spoon. Therefore, this conclusion does not follow.
Conclusion (II): Some spoons are plates – From the Venn diagram, the circle of plates is completely inside the circle of spoons. So, some spoons are plates. Therefore, this conclusion follows.

Conclusion (III): Some plates are spoons – From the Venn diagram, we can see that all plates are spoons. Therefore, some plates are spoons is a true conclusion as some is the subset of all.

So, only conclusions II and III follow. Hence, the **fourth option** is correct.

Q. 14 **Directions:** In the following question, two statements are given followed by three conclusions I, II, and III. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements

Statements:

I. All men are hardworking.

II. No advocate is hardworking.

III. Some beautiful are men.

Conclusions:

I. Some beautiful are hardworking.

II. Some advocates are not beautiful.

III. Some beautiful are not advocates.

Option 1:

Only conclusion III follows

Option 2:

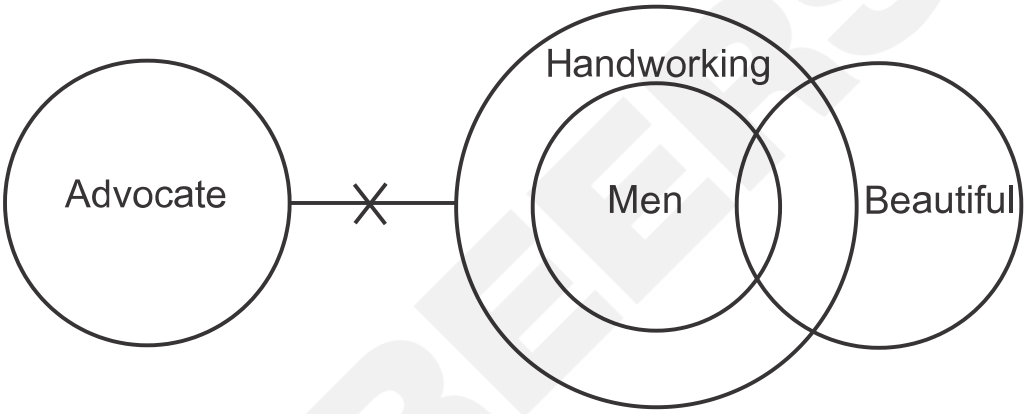
Only conclusion I and III follow

Option 3:
Only conclusions II and III follow

Option 4:
Only conclusions I and II follow

Correct Answer:
Only conclusion I and III follow

Solution:
The possible Venn diagram for the given statement according to the question –



Let's analyse the conclusions –
Conclusion (I): Some beautiful are hardworking – From the Venn diagram, we can see that the circles representing beautiful and hardworking intersect each other and have some areas in common. So, some beautiful are hardworking is a true conclusion.
Conclusion (II): Some advocates are not beautiful – From the Venn diagram, there is no definite relation between the circle of advocates and beautiful. So, this conclusion does not follow.
Conclusion (III): Some beautiful are not advocates – From the Venn

diagram the no advocates are hardworking and the circle of hardworking intersects the circle of beautiful. Therefore the part of the beautiful which is beautiful is definitely not advocates. So, this conclusion follows.

So, only conclusions I and III follow. Hence, the **second option** is correct.

Q. 15 **Directions:** In the following question, two statements are given followed by three conclusions I, II, and III. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

All cups are glasses.

Some cups are pens.

Conclusions:

I. Some pens are cups.

II. Some pens are glasses.

III. Some pens are not cups.

Option 1:

Only conclusions I and III follow

Option 2:

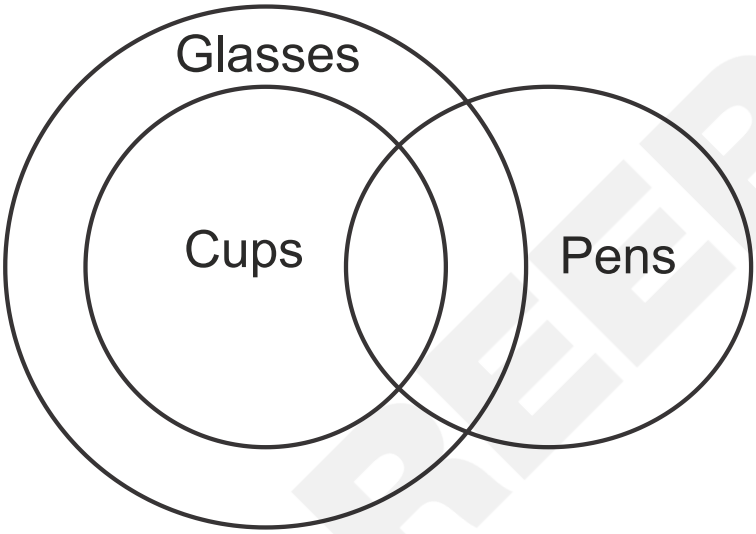
Only conclusions II and III follow

Option 3:
Only conclusions I and II follow

Option 4:
All conclusions follow

Correct Answer:
Only conclusions I and II follow

Solution:
The possible Venn diagram for the given statement –



Let's analyse the conclusions –
Conclusion (I): Some pens are cups – From the Venn diagram, we can see that the circles representing pens and cups intersect and have some areas in common. So, some pens are cups is a true conclusion.
Conclusion (II): Some pens are glasses – From the Venn diagram, we can see that the circles representing pens and glasses intersect and have some areas in common. So, Some pens are

glasses is a true conclusion.
Conclusion (III): Some pens are not cups – From the Venn diagram, there is no negative relation between pens and cups. So, this conclusion does not follow.

So, only conclusions I and II follow. Hence the **third option** is correct.

Q. 16 **Directions:** In the following question, two statements are given, followed by two conclusions, I and II. You have to consider the two statements to be true, even if they seem to be at variance with commonly-known facts. You have to decide which of the given conclusions, if any, follows from the given statements.
Statements:
Some tables are chairs.
Some chairs are pens.
Conclusions:
I. Some pens are chairs.
II. Some pens are tables.

Option 1:
Only conclusion I follows

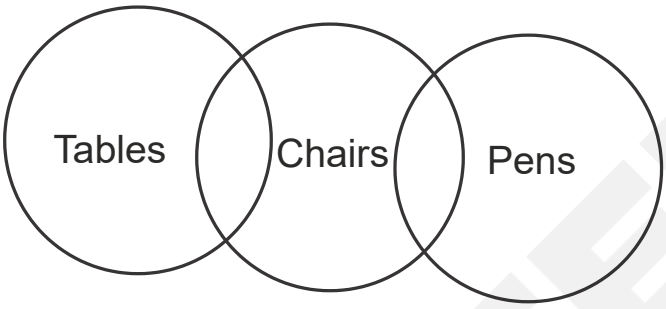
Option 2:
Only conclusion II follows

Option 3:
Both conclusions follow

Option 4:
Neither conclusion I nor conclusion II follows

Correct Answer:
Only conclusion I follows

Solution:
The possible Venn diagram, according to the given statements, is –



Let's analyse the conclusions –
Conclusion I: Some pens are chairs – According to the Venn diagram, the circle of chairs and pens intersect and have a common area between them. Therefore, this conclusion follows.
Conclusion II: Some pens are tables – According to the Venn diagram, there is no definite relation between tables and pens. Therefore, this conclusion does not follow.

Therefore, only conclusion I follows. Hence, the **first option** is correct.

Q. 17 **Directions:** In the following question below, some statements are followed by some conclusions. Taking the given statements to be true, even if they seem to be at variance with commonly-known facts, read all the conclusions and decide which of the given conclusions logically follows from the given statements.

Statements:

All blues are black.

Some blues are yellow.

Conclusions:

All blues are yellow.

Some blacks are yellow.

Option 1:
Only conclusion I follows

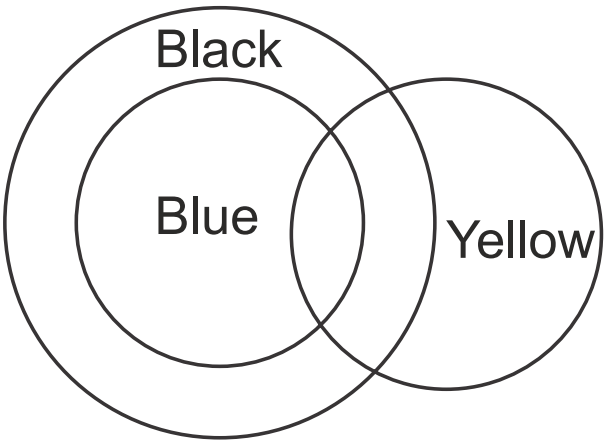
Option 2:
Only conclusion II follows

Option 3:
Both conclusions follow

Option 4:
Neither conclusion I nor conclusion II follows

Correct Answer:
Only conclusion II follows

Solution:
The possible Venn diagram, according to the given statements is as follows–



Let's analyse the conclusions –
Conclusion I: All blues are yellow – According to the Venn diagram, between the circle of blue and yellow only some parts are common. Therefore, this conclusion does not follow.
Conclusion II: Some blacks are yellow – According to the Venn diagram, it is clear that the circles representing the blacks and yellows intersect and have some part in common. So, some blacks are yellow is a true conclusion.

So, only conclusion II follows. Hence, the **second option** is correct.

Q. 18 **Directions:** In the following question below are given some statements followed by some conclusions. Taking the given statements to be true, even if they seem to be at variance with commonly-known facts, read all conclusions and decide which of the given conclusions logically follows from the given statements.

Statements:

All tables are chairs.

Some tables are cups.

Conclusions:

I. Some cups are chairs.

II. Some chairs are tables.

Option 1:
Only conclusion I follows

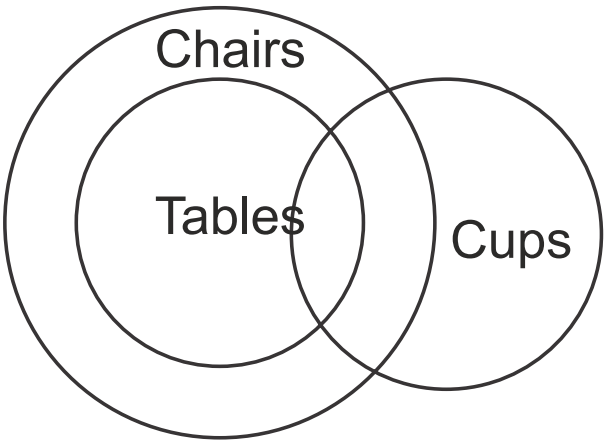
Option 2:
Only conclusion II follows

Option 3:
Both conclusions follow

Option 4:
Neither conclusion I nor conclusion II follows

Correct Answer:
Both conclusions follow

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some cups are chairs – In the Venn diagram, the circles that represent cups and chairs intersect and have a common area between them. So, some cups are chairs is a true conclusion.
Conclusion II: Some chairs are tables – In the Venn diagram, some parts of the circle of chairs are inside the circle of the table and some parts lie outside the tables. Therefore, this conclusion is true.

So, both conclusions I and II follow is correct. Hence, the **third option** is correct.

Q. 19 **Directions:** In the following question, two statements are given, followed by two conclusions, I and II. You have to consider the two statements to be true, even if they seem to be at variance with commonly-known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statements:

All players are singers.

All dancers are singers.

Conclusions:

I. Some singers are dancers.

II. Some dancers are players.

Option 1:
Only conclusion I follows

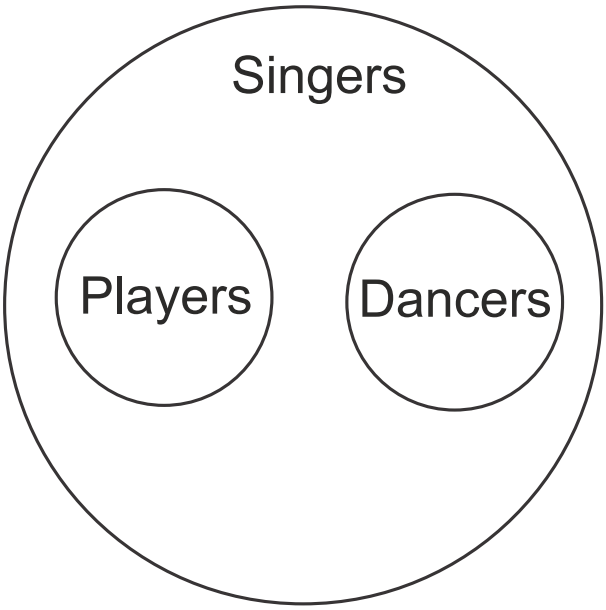
Option 2:
Neither conclusion I nor conclusion II follows

Option 3:
Both conclusion I and conclusion II follow

Option 4:
Only conclusion II follows

Correct Answer:
Only conclusion I follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some singers are dancers – According to the Venn diagram, the circle of dancers is completely inside the circle of singers. Therefore, some singers are dancers is a true conclusion.
Conclusion II: Some dancers are players – From the Venn diagram, the circle of players does not have any direct relation with the circle of dancers. This conclusion does not follow from the given statements.

So, only the conclusion I follows. Hence, the **first option** is correct.

Q. 20 **Directions:** In the following question below, some statements are followed by some conclusions. Taking the given statements to be true, even if they seem to be at variance with commonly known facts, read all the conclusions and decide which of them logically follows from the given statements.

Statements:

All ears are hands.

No hand is a nose.

Conclusions:

I. No ear is a nose.

II. All noses are ears.

III. Some hands are noses.

Option 1:
Only I

Option 2:
Only II

Option 3:
Only III

Option 4:
None follows

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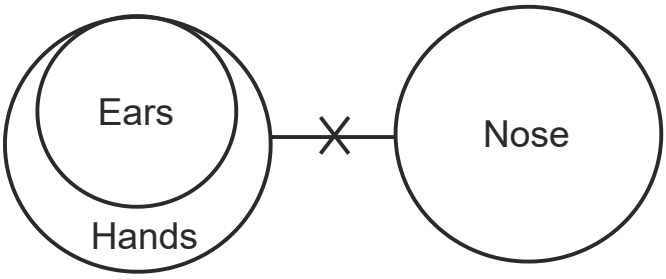
Correct Answer:
Only I

Solution:
The Venn diagram is as follows –



Let's analyse the conclusions –
Conclusion (I): No ear is a nose – The circle that represents the ear lies inside the circle that represents hands, and as per the second statement no hand is a nose. This means that no ear is a nose. Therefore, this conclusion follows.
Conclusion (II): All noses are ears – The circle that represents the ear lies inside the circle that represents hands, and no hand is nose. This means that no ear is a nose. Therefore, this conclusion does not follow.
Conclusion (III): Some hands are noses – From the given statements, it is clear that no hand is a nose. Therefore, this conclusion does not follow.

So, only conclusion (I) follows. Hence, the **first option** is correct.

Q. 21 **Directions:** In the following question below are given some statements followed by some conclusions. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all conclusions and then decide which of the given conclusions logically follows from the given statements.

Statements:

Some black are red.

Some red are cups.

Some cups are plates.

Conclusions:

I. All black are cups.

II. Some black are plates.

III. No black is a plate.

Option 1:
Both I and II

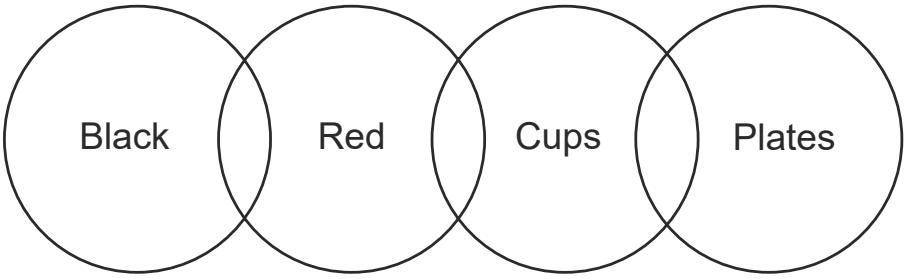
Option 2:
Only III

Option 3:
All conclusions follow

Option 4:
None follows

Correct Answer:
None follows

Solution:
The Venn diagram is as follows –



Let's analyse the conclusions –
Conclusion (I): All black are cups – From the Venn diagram, there is no direct relation between black and cup. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.
Conclusion (II): Some black are plates – From the Venn diagram, there is no direct relation between black and plate. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.
Conclusion (III): No black is a plate – From the Venn diagram, there is no direct relation between black and plate. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.

So, none of the conclusions follows. Hence, the **fourth option** is correct.

Q. 22 **Directions:** In the following question below are given some statements followed by some conclusions. Taking the given statements to be true even if they seem to be at variance from commonly known facts, read all conclusions and then decide which of the given conclusions logically follows from the given statements.

Statements:

I. Some cups are plates.

II. No cup is a pencil.

Conclusions:

I. No plate is a pencil.

II. Some plates are pencils.

III. Some pencils are cups.

Option 1:
Only I

Option 2:
Only II

Option 3:
Both I and II

Option 4:
No conclusion follows

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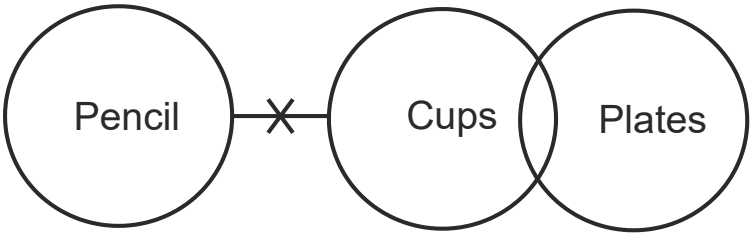
Correct Answer:
No conclusion follows

Solution:
The Venn diagram is as follows –



Let's analyse the conclusions –
Conclusion I: No plate is a pencil – From the above Venn diagram, it is evident that there is no direct relation between the plate and the pencil. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.
Conclusion II: Some plates are pencils – From the above Venn diagram, it is evident that there is no direct relation between the plate and the pencil. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.
Conclusion III: Some pencils are cups – From the above Venn diagram, it is evident that there is a direct negative relation between pencils and cups. So, no positive relation can be drawn. Therefore, this conclusion does not follow.

Thus, none of the conclusions follows. Hence, the **fourth option** is correct.

Q. 23 **Directions:** In the following question below, some statements are followed by some conclusions. Taking the given statements to be true, even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows from the given statements.

Statements:

All plates are pens.

Some pens are pencils.

Conclusions:

I. All the plates are pencils.

II. No plate is a pencil.

III. Some pencils are pens.

Option 1:
Only I

Option 2:
Only II

Option 3:
Only III

Option 4:
Both I and III

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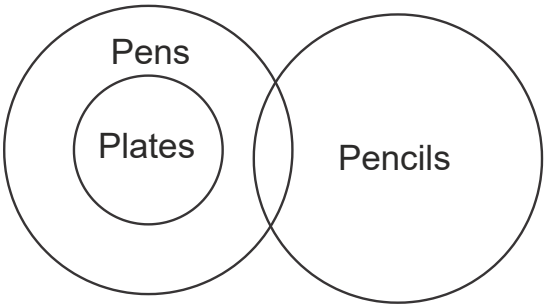
Correct Answer:
Only III

Solution:
The Venn diagram is as follows –



Let's analyse the conclusions –
Conclusion (I): All plates are pencils – From the above Venn diagram, it is evident that there is no direct relation between plates and pencils. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.
Conclusion (II): No plate is pencil – From the above Venn diagram, it is evident that there is no direct relation between plates and pencils. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.
Conclusion (III): Some pencils are pens – From the above Venn diagram, it is evident that the circles representing pencils and pens overlap each other and have a part of their areas in common. So, this conclusion follows.

So, only conclusion III follows. Hence, the **third option** is correct.

Q. 24 **Directions:** In the following question below, some statements are followed by some conclusions. Taking the given statements to be true, even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows from the given statements.

Statements:

All red are pens.

No pen is white.

Conclusions:

I. No white is a pen.

II. No red is white.

III. All pens are red.

Option 1:
Only I and III

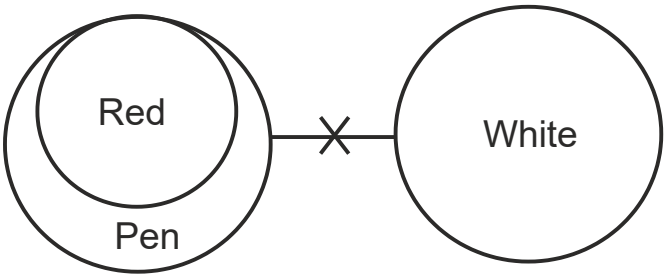
Option 2:
Only I and II

Option 3:
Only II and III

Option 4:
All conclusions follow

Correct Answer:
Only I and II

Solution:
The Venn diagram is as follows –



Let's analyse the conclusions –
Conclusion (I): No white is a pen – From the given statements, it is evident that no pen is white. So, from this, it can be concluded that no white is a pen. Thus, this conclusion follows.
Conclusion (II): No red is white – From the given statements, all red are pens and no pen is white. So, from this, it can be concluded that no red is white. Thus, this conclusion follows.
Conclusion (III): All pens are red – From the Venn diagram, it is evident that some part of the circle that represents pens is outside the circle that represents red. So, from this, it can be concluded that some pens are red. Thus, this conclusion does not follow.

So, only conclusions I and II follow. Hence, the **second option** is correct.

Q. 25 **Directions:** In the following question below, some statements are followed by some conclusions. Taking the given statements to be true, even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows from the given statements.

Statements:

I. Some red are blue.

II. Some blue are plates.

Conclusions:

I. Some red are plates.

II. Some plates are red.

III. Some plates are blue.

Option 1:
Only I and II

Option 2:
Only II and III

Option 3:
Only III

Option 4:
No conclusion follows

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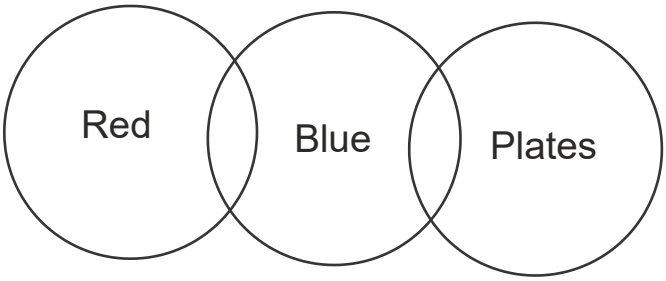
Correct Answer:
Only III

Solution:
The Venn diagram is as follows –



Let's analyse the conclusions –
Conclusion (I): Some red are plates – From the above Venn diagram, it is evident that there is no direct relation between red and plate. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.
Conclusion (II): Some plates are red – From the above Venn diagram, it is evident that there is no direct relation between red and plate. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.
Conclusion (III): Some plates are blue – From the above Venn diagram, it is evident that the circles representing blue and plates overlap each other and have a part of their area in common. So, this conclusion follows.

So, only conclusion III follows. Hence, the **third option** is correct.

Q. 26 **Directions:** Three statements are given, followed by four conclusions numbered I, II, III, and IV. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some trees are leaves.

Some leaves are flowers.

Some flowers are branches.

Conclusions:

I. Some trees are flowers.

II. Some leaves are branches.

III. Some branches are flowers.

IV. Some branches are leaves.

Option 1:
Only conclusions II and III follow

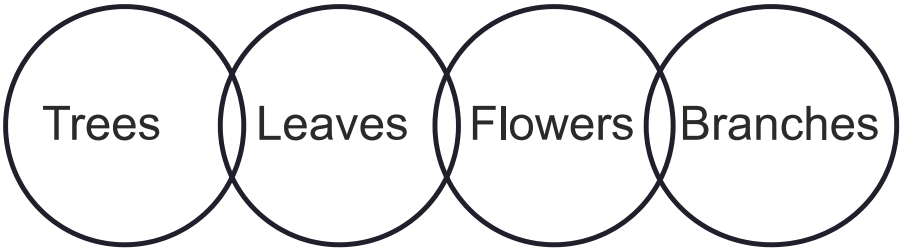
Option 2:
Only conclusions I and II follow

Option 3:
Only conclusion III follows

Option 4:
None of the conclusions follow

Correct Answer:
Only conclusion III follows

Solution:
The possible Venn diagram according to the given statements –



Let's analyse the conclusions –
Conclusion I: Some trees are flowers – From the above Venn diagram, it is evident that there is no direct relation between trees and flowers. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.
Conclusion II: Some leaves are branches – From the above Venn diagram, it is evident that there is no direct relation between leaves and branches. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.
Conclusion III: Some branches are flowers – From the above Venn diagram, it is evident that the circles representing branches and flowers overlap each other and have a part of their areas in common. So, this conclusion follows.
Conclusion IV: Some branches are leaves – From the above Venn diagram, it is evident that there is no direct relation between leaves and branches. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.

So, only conclusion III follows. Hence, the **third option** is correct.

Q. 27 **Directions:** In this question, three statements are given, followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follows/follow from the statements.

Statements:

Some mirrors are glass.

All glasses are taps.

Some taps are pens.

Conclusions:

I. Some glass are mirrors.

II. All taps are glass.

III. Some pens are taps.

Option 1:

None of the conclusions follows

Option 2:

Only conclusions I and II follow

Option 3:

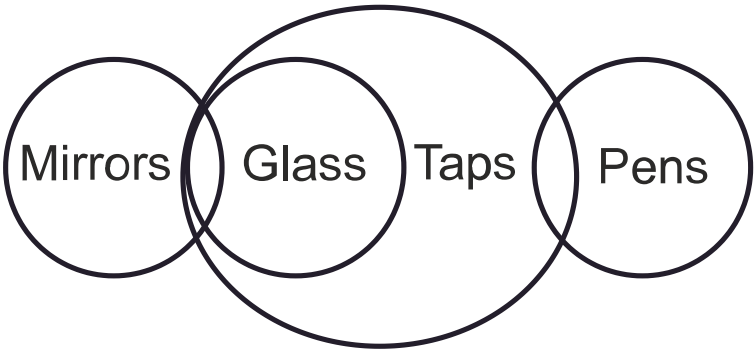
Only conclusion II follows

Option 4:

Only conclusions I and III follow

Correct Answer:
Only conclusions I and III follow

Solution:
The possible Venn diagram according to the given statements –



Let's analyse the conclusions –
Conclusion I: Some glass are mirrors – From the above Venn diagram, it is evident that the circles representing glass and mirror overlap each other and have a part of their areas in common. So, this conclusion follows.
Conclusion II: All taps are glass – From the Venn diagram, it is evident that some part of the circle that represents taps is outside the circle that represents glass. So, from this, it can be concluded that some taps are glass. Thus, this conclusion does not follow.
Conclusion III: Some pens are taps – From the above Venn diagram, it is evident that the circles representing pens and taps overlap each other and have a part of their areas in common. So, this conclusion follows.

So, only conclusions I and III follow**.** Hence, the **fourth option** is correct.

Q. 28 **Directions:** Three statements are given, followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow from the statements.

Statements:

I. All blocks are toys.

II. All toys are books.

III. All books are stories.

Conclusions:

I. Some toys are blocks.

II. Some blocks are books.

III. Some stories are toys.

Option 1:
Only conclusions I and III follow

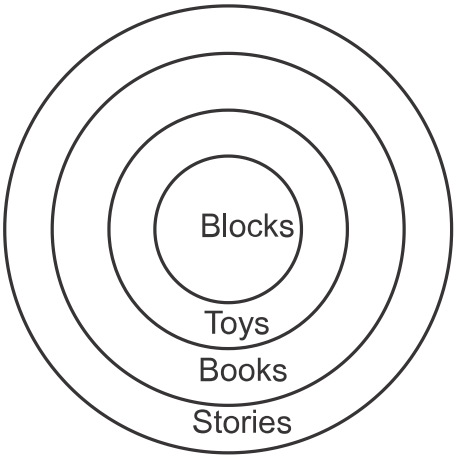
Option 2:
Only conclusions II and III follow

Option 3:
Only conclusions I and II follow

Option 4:
All the conclusions follow

Correct Answer:
All the conclusions follow

Solution:
The possible Venn diagram according to the statements will be –



Let's analyse the conclusions –
Conclusion (I): Some toys are blocks – From the Venn diagram, it is clear that the circle that represents toys is overlapped by the circle that represents blocks and has some areas in common. So, some toys are blocks. Therefore, this conclusion follows.
Conclusion (II): Some blocks are books – From the Venn diagram, it is clear that the circle that represents blocks lies inside the circle that represents books. So, all blocks are books and some blocks are books is also true. Therefore, this conclusion follows.
Conclusion (III): Some stories are toys – From the Venn diagram, it is clear that the circle that represents toys is overlapped by the circle that represents stories and has some areas in common. So, some stories are toys. Therefore, this conclusion follows.

So, all the conclusions follow. Hence, the **fourth option** is correct.

Q. 29 **Directions:** Three Statements are given followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

I. All plates are bowls.

II. No bowl is a glass.

III. Some glasses are vessels.

Conclusions:

I. Some glasses are plates.

II. Some bowls are plates.

III. Some vessels are bowls.

Option 1:
Both conclusions II and III follow

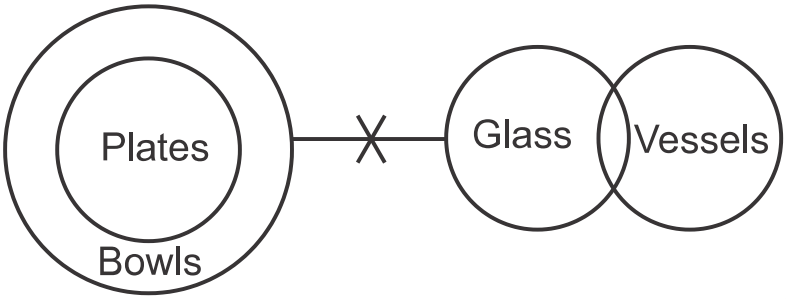
Option 2:
Both conclusions I and II follow

Option 3:
Only conclusion II follows

Option 4:
Only conclusion I follows

Correct Answer:
Only conclusion II follows

Solution:
The possible Venn diagram according to the statements given will be –



Let's analyse the conclusions –
Conclusion (I): Some glasses are plates – It is given that all plates are bowls and no bowl is glass. So, no glasses are plates. Therefore, this conclusion does not follow.
Conclusion (II): Some bowls are plates – From the above diagram, it is evident that the circle that represents plates lies inside the circle that represents bowls. So, from this, it can be concluded that some bowls are plates. Therefore, this conclusion follows.
Conclusion (III): Some vessels are bowls – From the above diagram, it is evident that there is no direct relation between vessels and bowls. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.

So, only conclusion II follows. Hence, the **third option** is correct.

Q. 30 **Directions:** Three Statements are given followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All bottles are containers.

Some containers are buckets.

All buckets are soaps.

Conclusions:

I. Some soaps are bottles.

II. Some buckets are bottles.

III. Some soaps are containers.

Option 1:
Only conclusion I follows

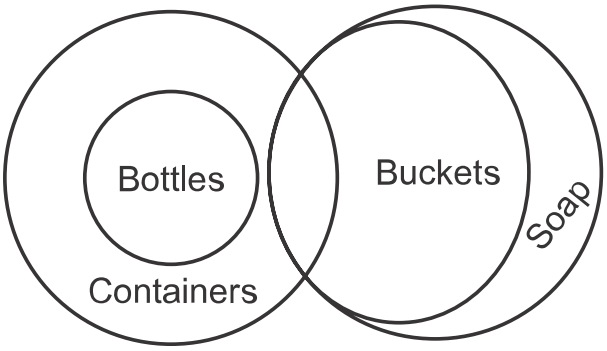
Option 2:
All conclusions follow

Option 3:
Only conclusion II follows

Option 4:
Only conclusion III follows

Correct Answer:
Only conclusion III follows

Solution:
According to the statements, the following diagram can be drawn –



Let's analyse the conclusions –
Conclusion I: Some soaps are bottles – From the above diagram, it is evident that there is no direct relation between bottles and soap. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.
Conclusion II: Some buckets are bottles – From the above diagram, it is evident that there is no direct relation between bottles and buckets. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.
Conclusion III: Some soaps are containers – From the above diagram, it is evident that the circles representing soap and containers overlap each other and have a part of their areas in common. So, this conclusion follows.

Therefore, only conclusion III follows. Hence, the **fourth option** is correct.

Q. 31 **Directions:** Three statements are followed by three conclusions numbered I, II, and III. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follows from the given statements.

Statements:

All peacocks are pigeons.

Some pigeons are pink.

Some pinks are birds.

Conclusions:

(I) Some pinks are peacocks.

(II) Some birds are pigeons.

(III) Some peacocks are birds.

Option 1:

None of the conclusion follow

Option 2:

Either conclusion I or conclusion III follows

Option 3:

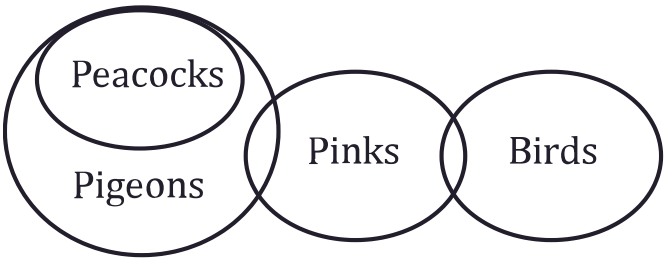
Only conclusion II follows

Option 4:

Only conclusion I follows

Correct Answer:
None of the conclusion follow

Solution:
According to the statements, the following Venn diagram can be drawn –



Let's analyse the conclusions –
Conclusion I: Some pinks are peacocks – From, the above diagram it is evident that there is no direct relation between peacocks and pinks. So, no definite relation can be drawn from it. Therefore, this conclusion does not follow.
Conclusion II: Some birds are pigeons – From, the above diagram it is evident that there is no direct relation between birds and pigeons. So, no definite relation can be drawn from it. Therefore, this conclusion does not follow.
Conclusion III: Some peacocks are birds – From, the above diagram it is evident that there is no direct relation between peacocks and birds. So, no definite relation can be drawn from it. Therefore, this conclusion does not follow.

So, none of the conclusions follows. Hence, the **first option** is correct.

Q. 32 **Directions:** Three statements are given, followed by four conclusions numbered I, II, III, and IV. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follows from the statements.

Statements:

All birds are ducks.

Some ducks are crows.

All crows are parrots.

Conclusions:

I. Some parrots are birds.

II. Some parrots are ducks.

III. Some crows are birds.

IV. All parrots are birds.

Option 1:
Only conclusions I and IV follow

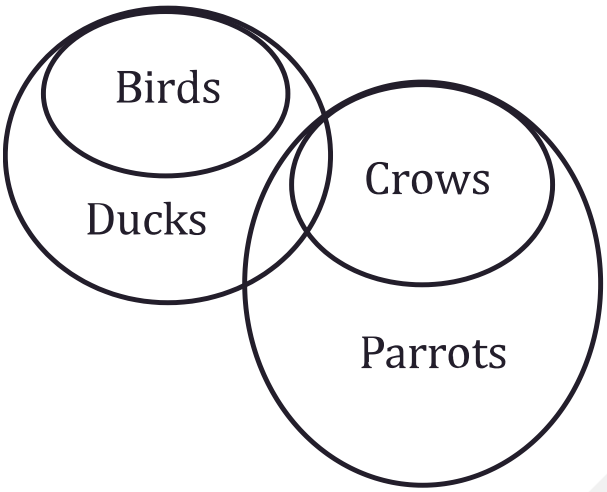
Option 2:
Only conclusion II follows

Option 3:
Only conclusions I, II and IV follow

Option 4:
Only conclusions II and III follow

Correct Answer:
Only conclusion II follows

Solution:
According to the statements, the following Venn diagram can be drawn –



Let's analyse the conclusions –
Conclusion I: Some parrots are birds – From the above diagram, it is evident that there is no direct relation between parrots and birds. So, no definite relation can be drawn from it. Therefore, this conclusion does not follow.
Conclusion II: Some parrots are ducks – From the above diagram, it is evident that the circles representing parrots and ducks overlap each other and have a part of their area in common. So, from this, it can be concluded that some parrots are ducks. Thus, this conclusion follows.
Conclusion III: Some crows are birds – From the above diagram, it is evident that there is no direct relation between crows and birds. So, no definite relation can be drawn from it. Therefore, this conclusion does not follow.

Conclusion IV: All parrots are birds – From the above diagram, it is evident that there is no direct relation between parrots and birds. So, no definite relation can be drawn from it. Therefore, this conclusion does not follow.

So, only conclusion II follows according to the statements. Hence, the **second option** is correct.

Q. 33 **Directions:** Three statements are given followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some boats are ships.

All ships are yachts.

All yachts are barges.

Conclusions:

I. Some barges are ships.

II. Some barges are boats.

III. Some yachts are boats.

Option 1:

Only conclusions II and III follow

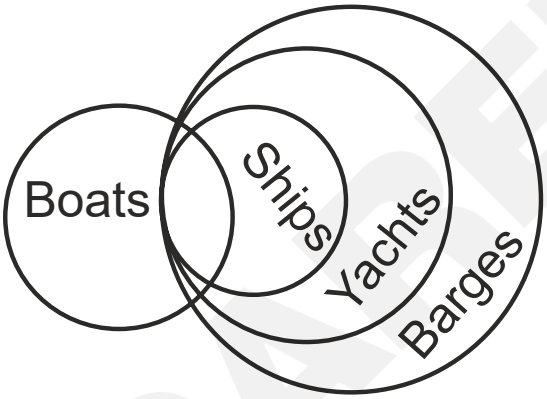
Option 2:
Only conclusions I and III follow

Option 3:
All conclusions follow

Option 4:
Only conclusions I and II follow

Correct Answer:
All conclusions follow

Solution:
According to the statements, the following Venn diagram can be drawn –



Let's analyse the conclusions –
Conclusion I: Some barges are ships – From the Venn diagram, it is evident that the circle that represents ships is overlapped by the circle that represents barges and has some areas in common. So, some barges are ships. Therefore, this conclusion follows.
Conclusion II: Some barges are boats – From the above diagram, it is

evident that the circles representing barges and boats overlap each other and have a part of their areas in common. So, some barges are boats. Therefore, this conclusion follows.

Conclusion III: Some yachts are boats – From the above diagram, it is evident that the circles representing yachts and boats overlap each other and have a part of their areas in common. So, some yachts are boats. Therefore, this conclusion follows.

So, all conclusions follow according to the statements. Hence, the **third option** is correct.

Q. 34 **Directions:** In this question, three statements are given, followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follows/follow from the statements.

Statements:

Some roses are yellow.

Some yellow are buses.

All buses are green.

Conclusions:

I. All yellow are roses.

II. Some buses are yellow.

III. All yellow is green.

Option 1:
Only conclusion III follows

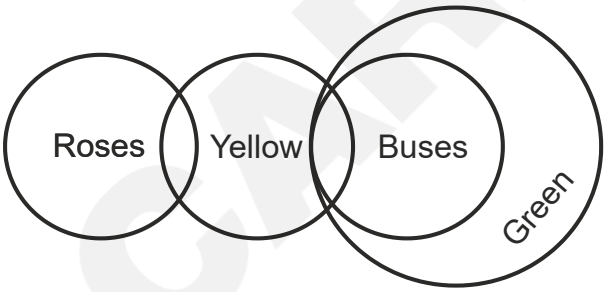
Option 2:
None of the conclusions follows

Option 3:
Only conclusion II follows

Option 4:
Only conclusion I follows

Correct Answer:
Only conclusion II follows

Solution:
According to the statements, the following Venn diagram can be drawn –



Let's analyse the conclusions –
Conclusion I: All yellow are roses – From the above Venn diagram, it is evident that the circles representing yellow and roses overlap each other and have some parts of their areas in common. So, from this, it can be concluded that some roses are yellow. Therefore, this

conclusion does not follow.

Conclusion II: Some buses are yellow – From the above Venn diagram, it is evident that the circles representing yellow and buses overlap each other and have some parts of their areas in common. So, from this, it can be concluded that some buses are yellow. Therefore, this conclusion follows.

Conclusion III: All yellow is green – From the above Venn diagram, it is evident that the circles representing yellow and green overlap each other and have some parts of their areas in common. So, from this, it can be concluded that some yellow are green. Therefore, this conclusion does not follow.

So, only conclusion II follows according to the statements. Hence, the **third option** is correct.

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Q. 35 **Directions:** Three statements are given followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some teachers are scientists.

All scientists are doctors.

All doctors are engineers.

Conclusions:

I. Some doctors are teachers.

II. Some engineers are teachers.

III. Some doctors are scientists.

Option 1:
Only conclusions II and III follow

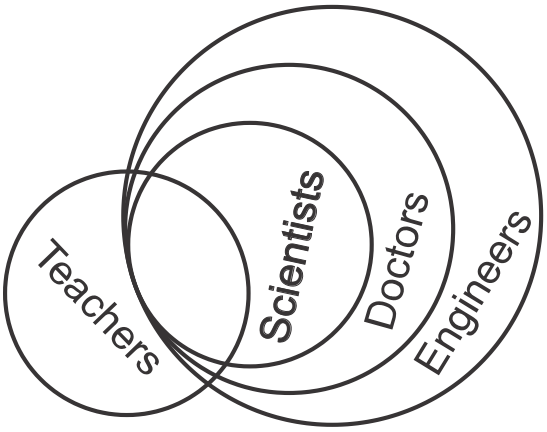
Option 2:
Only conclusions I and III follow

Option 3:
All conclusions follow

Option 4:
Only conclusions I and II follow

Correct Answer:
All conclusions follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some doctors are teachers – From the above diagram, it can be seen that the circle of doctors and teachers intersects and has some common area between them, which implies that some doctors are teachers. So, this conclusion is true based on the given statements.
Conclusion II: Some engineers are teachers – From the above diagram, it can be seen that the circle of engineers and teachers intersects and has some common area between them which implies that some engineers are teachers. So, this conclusion is true based on the given statements.
Conclusion III: Some doctors are scientists – From the above diagram, it can be seen that the circle of scientists is inside the circle of doctors, which implies that all the scientists are doctors and some of the doctors are scientists. So, this conclusion is true based on the given statements.

So, all the conclusions follow according to the given statements.
Hence, the **third option** is correct.

Q. 36 **Directions:** Three statements are given followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
Some colors are rainbows.
Some paints are rainbows.
All rainbows are drawings.

Conclusions:
I. Some drawings are colors.
II. All paints are drawings.
III. Some drawings are rainbows.

Option 1:
Only conclusions I and II follow

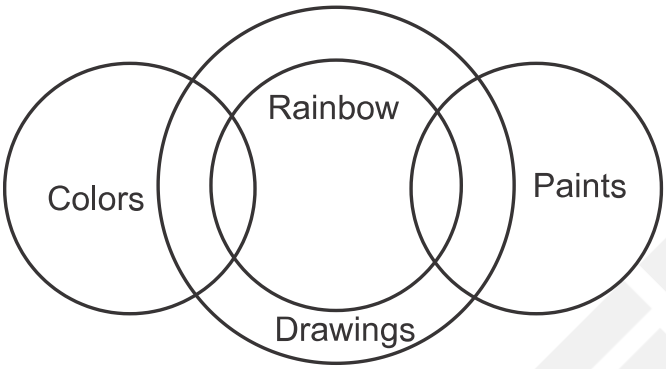
Option 2:
Only conclusions I and III follow

Option 3:
Only conclusions II and III follow

Option 4:
All conclusions follow

Correct Answer:
Only conclusions I and III follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusion –
Conclusion I: Some drawings are colors – From the above diagram, it can be seen that the circle of drawings and colors intersect and has some common area between them, which implies that some drawings are colors. So, this conclusion is true based on the given statements.
Conclusion II: All paints are drawings – From the above diagram, the circle of paint does not lie completely inside the circle of the drawing they have some part in common. Therefore, this conclusion is false.
Conclusion III: Some drawings are rainbows – From the above diagram, it can be seen that the circle of the rainbow is inside the circle of the drawings, which implies that all rainbows are drawings and some of the drawings are rainbows. So, this conclusion is true based on the given statements.

So, only conclusions I and III logically follow according to the given statements. Hence, the **second option** is correct.

Q. 37 **Directions:** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some laptops are phones.

Some phones are capsules.

Some capsules are pens.

Conclusions:

I. Some laptops are capsules.

II. Some phones are pens.

III. Some pens are capsules.

IV. Some pens are phones.

Option 1:

Only conclusions II and IV follow

Option 2:

Only conclusions II and III follow

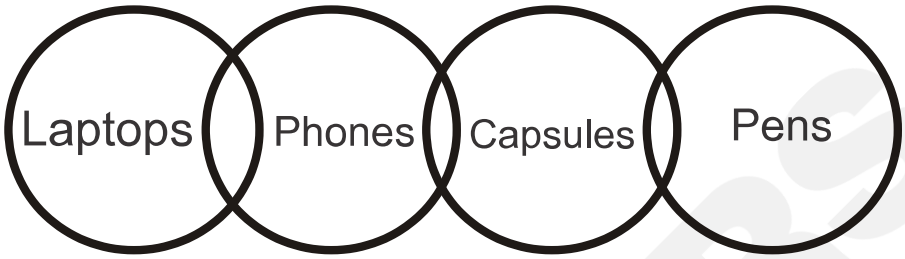
Option 3:

Only conclusion I follows

Option 4:
Only conclusion III follows

Correct Answer:
Only conclusion III follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some laptops are capsules – From the Venn diagram, it is evident that there is no direct relation between laptops and capsules. So, no definite relation can be drawn. Thus, this conclusion does not follow.
Conclusion (II): Some phones are pens – From the Venn diagram, it is evident that there is no direct relation between phones and pens. So, no definite relation can be drawn. Thus, this conclusion does not follow.
Conclusion (III): Some pens are capsules – From the Venn diagram, it is evident that the circles representing pens and capsules overlap each other and have a part of their areas in common. So, from this, it can be concluded that some pens are capsules. Thus, this conclusion does not follow.
Conclusion (IV): Some pens are phones – From the Venn diagram, it

is evident that there is no direct relation between phones and pens. So, no definite relation can be drawn. Thus, this conclusion does not follow.

So, only conclusion III follows. Hence, the **fourth option** is correct.

Q. 38 **Directions:** Three Statements are given followed by Three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

I. All stars are moons.

II. Some moons are suns.

III. All suns are satellites.

Conclusions:

I. Some satellites are moons.

II. Some satellites are stars.

III. Some moons are stars.

Option 1:

Both conclusions I and II follow

Option 2:

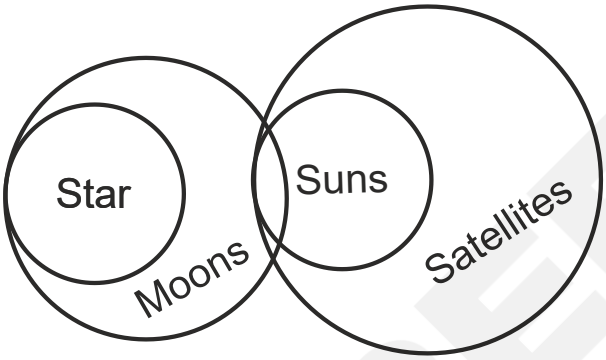
All conclusions follow

Option 3:
Both conclusions I and III follow

Option 4:
Both conclusions II and III follow

Correct Answer:
Both conclusions I and III follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some satellites are moons – From the Venn diagram, it is evident that the circles representing satellites and moons overlap and have a part of their areas in common. So, from this, it can be concluded that some satellites are moons. Thus, this conclusion follows.
Conclusion II: Some satellites are stars – From the Venn diagram, it is evident that there is no direct relation between satellites and stars. So, no definite relation can be drawn. Thus, this conclusion does not follow.

Conclusion III: Some moons are stars – From the Venn diagram, it is evident that some parts of the circle representing moons lie inside the circle representing stars while some lie outside. So, from this, it can be concluded that some moons are stars. Thus, this conclusion follows.

Therefore, conclusions I and III follow. Hence, the **third option** is correct.

Q. 39 **Directions:** Three statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some seeds are fruits.

Some fruits are jams.

All jams are desserts.

Conclusions:

I. Some jams are seeds.

II. Some desserts are jams.

III. Some fruits are desserts.

Option 1:

All conclusions follow

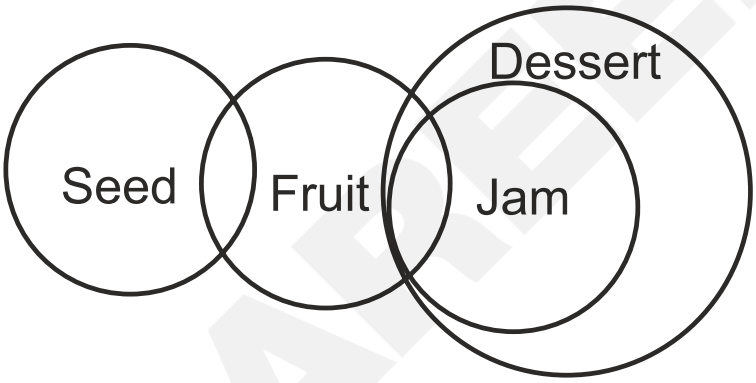
Option 2:
Only conclusions II and III follow

Option 3:
Only conclusions I and III follow

Option 4:
Only conclusions I and II follow

Correct Answer:
Only conclusions II and III follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some jams are seeds – From, the above diagram, it is evident that there is no direct relation between jams and seeds. So, no definite relation can be drawn from it. Thus, this conclusion does not follow.
Conclusion II: Some desserts are jams – From the Venn diagram, it is evident that some parts of the circle representing desserts lie

inside the circle representing jams while some lie outside. So, from this, it can be concluded that some desserts are jams. Thus, this conclusion follows.

Conclusion III: Some fruits are desserts – From the Venn diagram, it is evident that the circles representing fruits and desserts overlap and have a part of their areas in common. So, from this, it can be concluded that some fruits are jams. Thus, this conclusion follows.

Therefore, only conclusions II and III follow. Hence, the **second option** is correct.

Q. 40 **Directions:** Three statements are given followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

I. All cancers are diseases.

II. All tuberculosis is a disease.

III. All diseases are curable.

Conclusions:

I. All tuberculosis is curable.

II. Some cancers are tuberculosis.

III. All cancers are curable.

Option 1:

Only conclusions II and III follow

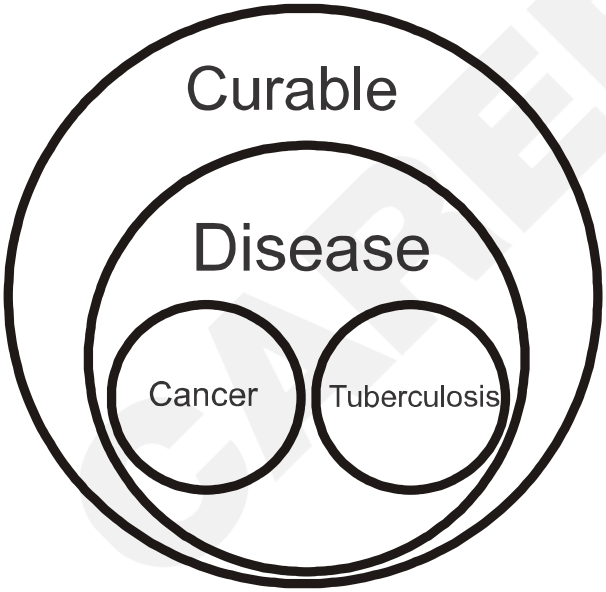
Option 2:
Only conclusions I and III follow

Option 3:
All conclusions follow

Option 4:
Only conclusions I and II follow

Correct Answer:
Only conclusions I and III follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All tuberculosis is curable – From the Venn diagram, it is evident that the circle representing tuberculosis lies inside the circle representing curable. So, from this, it can be concluded that

all tuberculosis is curable. Thus, this conclusion follows.
Conclusion (II): Some cancers are tuberculosis – From the Venn diagram, it is evident that there is no direct relation between cancer and tuberculosis. So, no definite relation can be drawn. Thus, this conclusion does not follow.
Conclusion (III): All cancers are curable – From the Venn diagram, it is evident that the circle representing cancer lies inside the circle representing curable. So, from this, it can be concluded that all cancers are curable. Thus, this conclusion follows.

Therefore, only conclusions I and III follow. Hence, the **second option** is correct.

Q. 41 **Directions:** Three statements are followed by three conclusions numbered I, II, and III. You have to consider these statements to be true, even if they seem to be at variance with commonly known facts. Decide which of the given conclusions logically follows (s) from the given statements.

Statements:
All tools are spanners.
Some spanners are utensils.
No spanner is an iron.

Conclusions:
(I) Some tools are irons.
(II) Some utensils are tools.
(III) Some utensils are not iron.

Option 1:
Only conclusion III follows

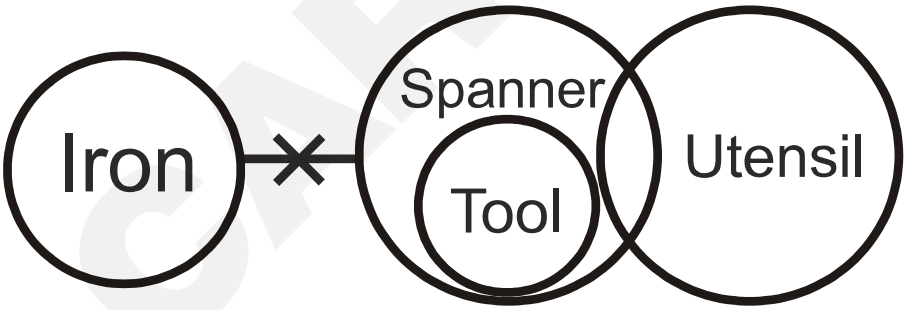
Option 2:
All conclusions I, II, and III follow

Option 3:
Only conclusion I follows

Option 4:
Either conclusion I or conclusion III follows

Correct Answer:
Only conclusion III follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some tools are irons – From the Venn diagram, it is evident that there is a negative relation between spanners and irons and all tools are spanners. So, from this, it can be concluded that no

tool is a spanner. Thus, this conclusion does not follow.
Conclusion (II): Some utensils are tools – From the Venn diagram, it is evident that there is no direct relation between tools and utensils. So, no definite relation can be drawn. Thus, this conclusion doesn't follow.
Conclusion (III): Some utensils are not iron – From the Venn diagram, it is evident that no spanner is iron. So, the part of the circle representing utensils that lie inside the circle representing spanners cannot be iron. Therefore, it can be concluded that some utensils are not iron.

Therefore, only conclusion III follows. Hence, the **first option** is correct.

Q. 42 **Directions:** Three statements are followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which conclusions logically follow(s) from the statements.

Statements:
I. All metals are gold.
II. All jewellery is gold.
III. All gold are ornaments.

Conclusions:
I. Some ornaments are jewellery.
II. Some metals are jewellery.
III. All jewellery are ornaments.

Option 1:
Only conclusions I and III follow

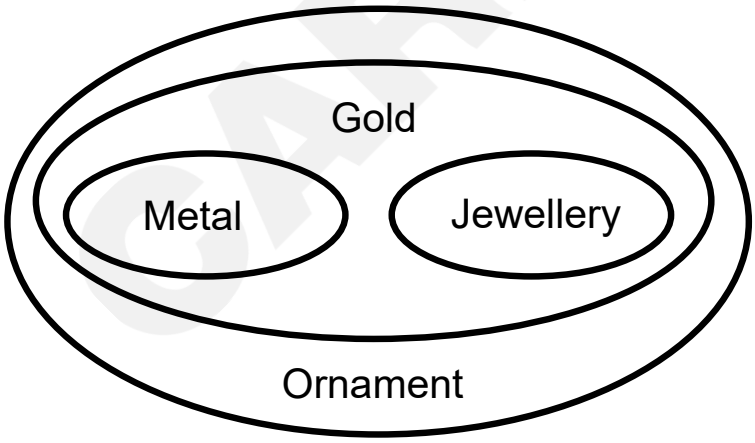
Option 2:
All conclusions follow

Option 3:
Only conclusions II and III follow

Option 4:
Only conclusions I and II follow

Correct Answer:
Only conclusions I and III follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some ornaments are jewellery – From the Venn diagram, it is clear that only some part of the circle of ornament lies inside the circle of jewellery. Therefore, this conclusion is true.
Conclusion II: Some metals are jewellery – From the Venn diagram, it is clear that there is no direct relation between metals and jewellery. Therefore, this conclusion does not follow.
Conclusion (III): All jewellery is ornaments – From the Venn diagram, it is clear that the circle of jewellery is completely inside the circle of ornaments. Therefore, this conclusion follows.

Therefore, only conclusions I and III follow. Hence, the **first option** is correct.

Q. 43 **Directions:** In the following question, one or two statements are given followed by two conclusions I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any follows from the given statements.
Statements:
Some monkeys are dogs.
All dogs are cats.
Conclusions:
I. Some monkeys are cats.
II. No dog is a cat.

Option 1:
Only conclusion I follows

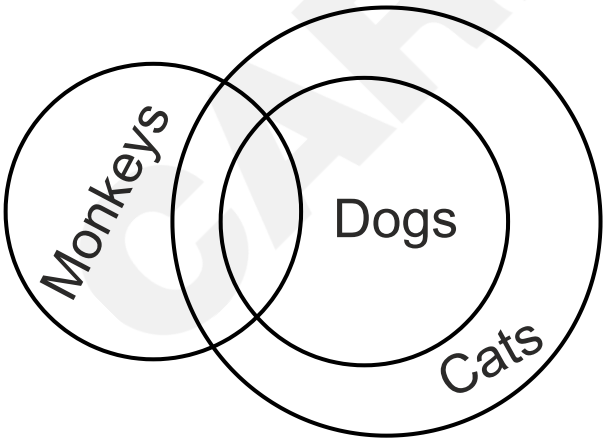
Option 2:
Only conclusion II follows

Option 3:
Either Conclusion I or Conclusion II follows

Option 4:
Neither conclusion I nor II conclusion II follows

Correct Answer:
Only conclusion I follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –

Conclusion (I): Some monkeys are cats – From the Venn diagram, it is evident that the circles representing monkeys and cats overlap each other and have a part of their area in common. So, from this, it can be concluded that some monkeys are cats. Therefore, this conclusion follows.

Conclusion (II): No dog is a cat – From the Venn diagram, it is evident that the circle representing dogs completely lies inside the circle representing cats. So, from this, it can be concluded that all dogs are cats. Thus, this conclusion does not follow.

So, only the conclusion I follows. Hence, the **first option** is correct.

Q. 44 **Directions:** In the following question, some statements are given followed by some conclusions I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any follows from the given statements.

Statements:

Some cats are dogs.

All dogs are black.

Conclusions:

I. Some cats are black.

II. Some dogs are black.

Option 1:
Neither conclusion I nor II follows

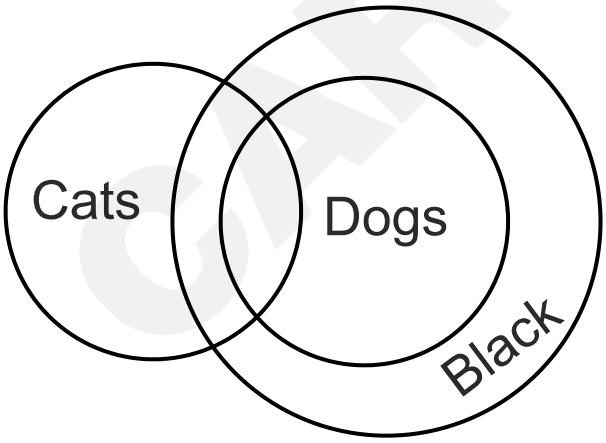
Option 2:
Both conclusions I and II follow

Option 3:
Only conclusion I follows

Option 4:
Only conclusion II follows

Correct Answer:
Both conclusions I and II follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –

Conclusion (I): Some cats are black – From the Venn diagram, it is evident that the circles representing cats and black overlap each other and have a part of their area in common. So, from this, it can be concluded that some cats are black. Therefore, this conclusion follows.

Conclusion (II): Some dogs are black – From the Venn diagram, it is evident that the circle representing dogs completely lies inside the circle representing black. So, from this, it can be concluded that all dogs are black. Thus, if all dogs are black then some dogs will definitely be black. So, this conclusion follows.

So, both conclusions follow. Hence, the **second option** is correct.

Q. 45 **Directions:** Three Statements are given followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All rice is wheat.

Some wheats are pulses.

No pulses are a vegetable.

Conclusions:

I. Some vegetables are rice.

II. Some pulses are rice.

III. Some vegetables are wheat.

Option 1:
None of the conclusions follows

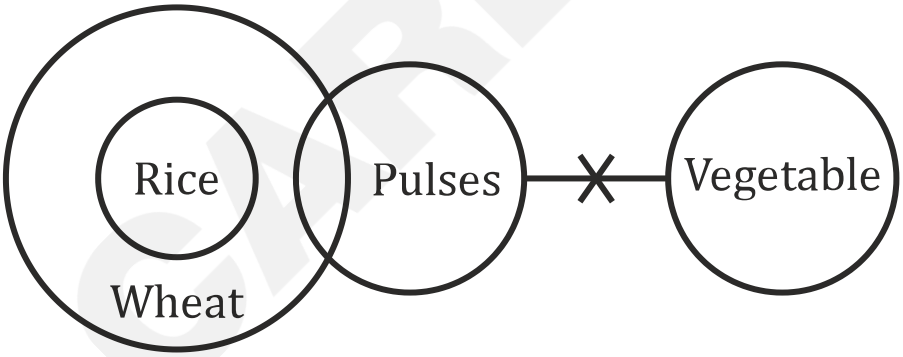
Option 2:
Both conclusions I and II follow

Option 3:
Both conclusions II and III follow

Option 4:
All conclusions follow

Correct Answer:
None of the conclusions follows

Solution:
According to the given statements, the following Venn diagram can be drawn –



Let's check each conclusion –
Conclusion I: Some vegetables are rice – As per the above Venn diagram, there is no direct relation between vegetables and rice. Therefore, this conclusion does not follow.
Conclusion II: Some pulses are rice – As per the above Venn

diagram, there is no direct relation between pulses and rice. Therefore, this conclusion does not follow.
Conclusion III: Some vegetables are wheat – As per the above Venn diagram, there is no direct relation between vegetables and wheat. Therefore, this conclusion does not follow.

So, none of the conclusions follows. Hence, the **first option** is correct.

Q. 46 **Directions:** In the following question, some statements are given followed by some conclusions I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any follows from the given statements.

Statements:
1. All roses are yellow.
2. Some roses are flowers.

Conclusions:
I. Some roses are yellow.
II. All roses are flowers.

Option 1:
Only conclusion I follows

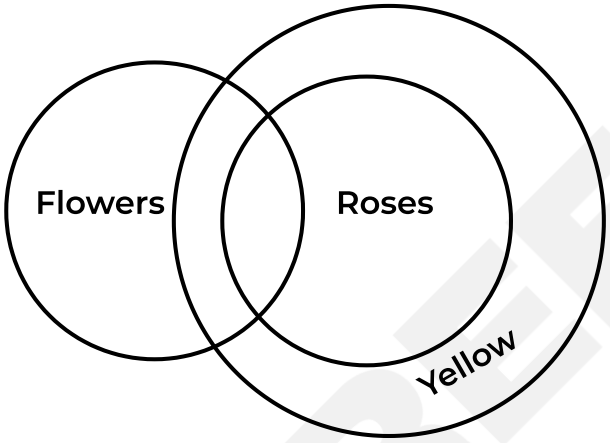
Option 2:
Only conclusion II follows

Option 3:
Neither conclusion I nor II follows

Option 4:
Both conclusions I and II follow

Correct Answer:
Only conclusion I follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some roses are yellow – Based on the given statements, it is given that all roses are yellow and some are the subset of all. If all roses are yellow is true, then some roses are yellow is also true. Thus, this conclusion follows.
Conclusion (II): All roses are flowers – Based on the given statements and Venn diagram, we can see that the circle of roses

and flowers intersect and have only some part common between them. Therefore, some roses are flowers is true but all roses are flowers is not correct. Thus, this conclusion does not follow.

So, the only conclusion I follows. Hence, the **first option** is correct.

Q. 47 **Directions:** Three statements are given followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All machines are factories.

Some factories are shops.

Some shops are houses.

Conclusions:

I. Some houses are factories.

II. Some machines are houses.

III. Some factories are machines.

Option 1:

Only conclusion II follows

Option 2:

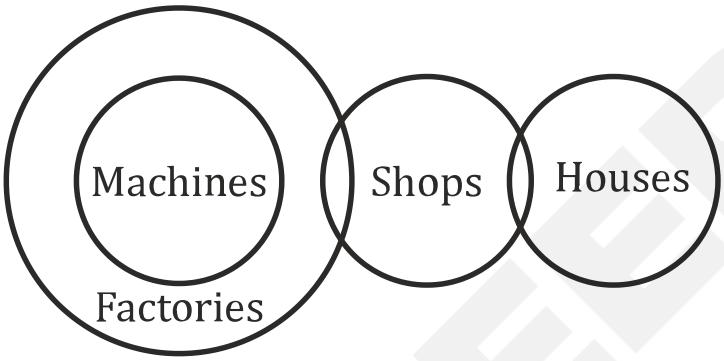
Only conclusion I follows

Option 3:
All conclusions follow

Option 4:
Only conclusion III follows

Correct Answer:
Only conclusion III follows

Solution:
According to the given statements, the following Venn diagram can be drawn –



Let's check each conclusion –
Conclusion I: Some houses are factories – As per the above Venn diagram, it is clear that there is no direct relation between houses and factories. So, this conclusion does not follow.
Conclusion II: Some machines are houses – As per the above Venn diagram, it is clear that there is no direct relation between machines and houses. So, this conclusion does not follow.
Conclusion III: Some factories are machines – As per the above Venn diagram, it is clear that some parts of the circle of factories lie outside the machines and some part lies inside the machines.
So, this conclusion follows.

So, only conclusion III follows. Hence, the **fourth option** is correct.

Q. 48 **Directions:** Consider the given statements to be true and decide which of the given conclusions can be drawn from the given statements.

Statements:

All fruits are leaves.

Some fruits are grapes.

Conclusions:

I. Some leaves are grapes.

II. All grapes are fruits.

Option 1:
Only conclusion I follows

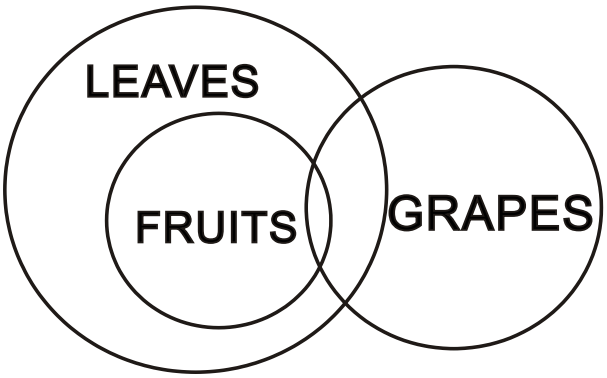
Option 2:
Only conclusion II follows

Option 3:
Both conclusions I and II follow

Option 4:
Neither conclusion I nor II follows

Correct Answer:
Only conclusion I follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some leaves are grapes – From the Venn diagram, it is evident that the circles representing leaves and grapes overlap each other and have a part of their area in common. So, from this, it can be concluded that some leaves are grapes. Therefore, this conclusion follows.
Conclusion (II): All grapes are fruits – From the Venn diagram, it is evident that the circles representing fruits and grapes overlap each other and have a part of their area in common. So, from this, it can be concluded that some grapes are fruits. Therefore, this conclusion does not follow.

So, the only conclusion I follows. Hence, the **first option** is correct.

Q. 49 **Directions:** The statement given below is followed by some conclusions. You have to consider the statement to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any follow from the given statement.

Statement:

I. All intelligent people are creative.

Conclusions:

I. Some creative people are intelligent.

II. All creative people are intelligent.

Option 1:
Only conclusion I follows

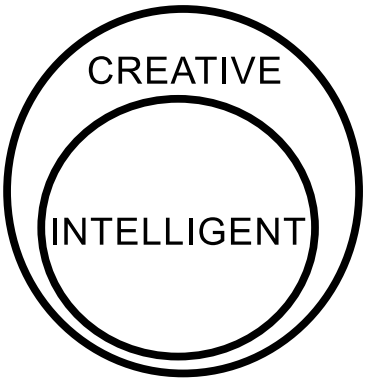
Option 2:
Only conclusion II follows

Option 3:
Either conclusion I or II follows

Option 4:
Both conclusions I and II follow

Correct Answer:
Only conclusion I follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some creative people are intelligent – Based on the given statement, all intelligent people are creative. From this, it can be inferred that some creative people are also intelligent. So, this conclusion follows.
Conclusion (II): All creative people are intelligent – Based on the given statement, all intelligent people are creative. But not all creative people need to be also intelligent. Some creative people may or may not be intelligent. Therefore, this conclusion does not follow.

So, only the conclusion I follows. Hence, the **first option** is correct.

Q. 50 **Directions:** Two statements are given followed by conclusions, I, II, III, and IV. You have to consider the given statement(s) to be true, even if it seems to be at variance from commonly known facts. You are to decide which of the given conclusions can be drawn from the given statements.

Statements:

All goats are tigers.

All tigers are lions.

Conclusions:

I. All tigers are goats.

II. All lions are tigers.

III. No goat is a lion.

IV. No lion is a goat.

Option 1:

Only conclusion III and IV follow

Option 2:

Only conclusion I and II follow

Option 3:

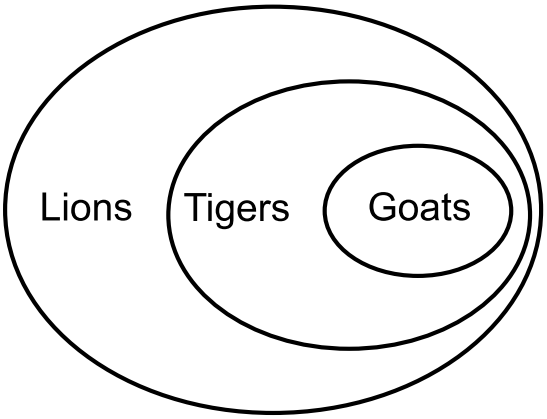
None of the conclusions follows

Option 4:

All conclusions follow

Correct Answer:
None of the conclusions follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All tigers are goats – From the Venn diagram, it is evident that some parts of the circle representing tigers lie outside the circle representing goats while some lie inside. So, from this, it can be concluded that some tigers are goats. Therefore, this conclusion does not follow.
Conclusion (II): All lions are tigers – From the Venn diagram, it is evident that some parts of the circle representing lions lie outside the circle representing tigers while some lie inside. So, from this, it can be concluded that some lions are tigers. Therefore, this conclusion does not follow.
Conclusion (III): No goat is a lion – From the Venn diagram, it is evident that the circle representing goats completely lies inside the circle representing lions. So, from this, it can be concluded that all the goats are lions. Therefore, this conclusion does not follow.

Conclusion (IV): No lion is a goat – From the Venn diagram, it is evident that some parts of the circle representing lions lie outside the circle representing goats while some lie inside. So, from this, it can be concluded that some lions are goats. Therefore, this conclusion does not follow.

Therefore, none of the conclusions follows. Hence, the **third option** is correct.

Q. 51 **Directions:** Consider the given statements to be true and decide which of the given conclusions can be drawn from the given statements.

Statements:

1. No man is a monkey.
2. Hari is a man.

Conclusions:

I. Hari is not a monkey.

II. All men are not Hari.

Option 1:
Only conclusion I follows

Option 2:
Only conclusion II follows

Option 3:
Both conclusion I and conclusion II follow

Option 4:
Neither conclusion I nor conclusion II follows

Correct Answer:
Only conclusion I follows

Solution:
As per the given information, let's analyse the conclusions –
Conclusion (I): Hari is not a monkey – Based on the given statements, Hari is a man, and no man is a monkey. Therefore, from this, it can be concluded that Hari is not a monkey. So, this conclusion follows.
Conclusion (II): All men are not Hari – Based on the given statements, Hari is a man. It only provides information about Hari being a man. It doesn't make any assertion about all other men. Thus, it doesn't conclude that all men are not Hari. Therefore, this conclusion does not follow.

So, only Conclusion I follows. Hence, the **first option** is correct.

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Q. 52 **Directions:** Consider the given statement(s) to be true and decide which of the given conclusions can be drawn from the given statement.

Statements:

All cycles are ducks.

All ducks are swans.

Conclusions:

I. All swans are cycles.

II. Some swans are cycles.

Option 1:
Only conclusion I follows

Option 2:
Only conclusion II follows

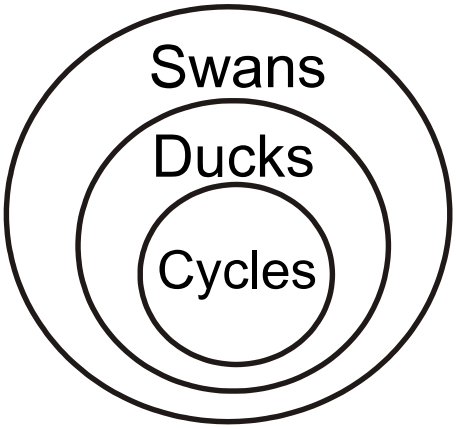
Option 3:
Both conclusion I and conclusion II follow

Option 4:
Neither Conclusion I nor Conclusion II follows

Correct Answer:
Only conclusion II follows

Solution:

The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –

Conclusion (I): All swans are cycles – From the Venn diagram, it is evident that some parts of the circle representing swans lie outside the circle representing cycles while some lie inside. So, from this, it can be concluded that some swans are cycles. Therefore, this conclusion does not follow.

Conclusion (II): Some swans are cycles – From the Venn diagram, it is evident that some parts of the circle representing swans lie outside the circle representing cycles while some lie inside. So, from this, it can be concluded that some swans are cycles. Therefore, this conclusion follows.

Therefore, only the conclusion II follows. Hence, the **second option** is correct.

Q. 53 **Directions:** In the following question two statements are given followed by two conclusions, I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions can be drawn from the given statement. Indicate your answer.

Statements:

Some kings are queens.

All queens are beautiful.

Conclusions:

I. All kings are beautiful.

II. All queens are kings.

Option 1:

Only conclusion I follows

Option 2:

Only conclusion II follows

Option 3:

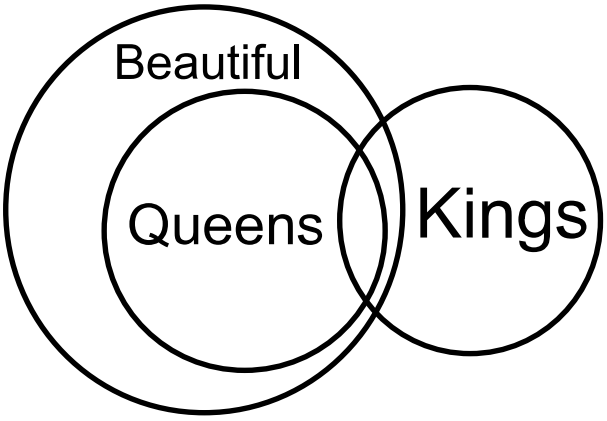
Either conclusion I or II follows

Option 4:

Neither Conclusion I nor Conclusion II follows

Correct Answer:
Neither Conclusion I nor Conclusion II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All kings are beautiful – From the Venn diagram, it is evident that the circles representing kings and beautiful overlap each other and have a part of their area in common. So, from this, it can be concluded that some kings are beautiful. Therefore, this conclusion does not follow.
Conclusion (II): All queens are kings – From the Venn diagram, it is evident that the circles representing kings and queens overlap each other and have a part of their area in common. So, from this, it can be concluded that some queens are kings. Therefore, this conclusion does not follow.

Therefore, neither of the conclusions follows. Hence, the **fourth option** is correct.

Q. 54 **Directions:** Consider the given statement(s) to be true and decide which of the given conclusions can be drawn from the given statements.

Statements:

All books are trees.

All trees are lions.

Conclusions:

I. All books are lions.

II. All lions are books.

III. All trees are books.

IV. Some lions are books.

Option 1:
Only conclusions I and III follow

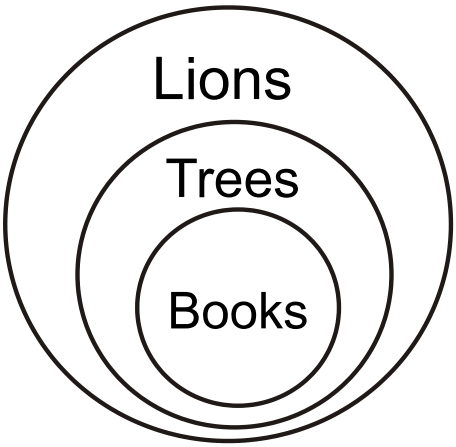
Option 2:
Only conclusions I and IV follow

Option 3:
None of the conclusions follows

Option 4:
All conclusions follow

Correct Answer:
Only conclusions I and IV follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All books are lions – From the Venn diagram, it is evident that the circle representing books completely lies inside the circle representing lions. So, from this, it can be concluded that all books are lions. Therefore, this conclusion follows.
Conclusion (II): All lions are books – From the Venn diagram, it is evident that some parts of the circle representing lions lie outside the circle representing books while some lie inside. So, from this, it can be concluded that some lions are books. Therefore, this conclusion does not follow.
Conclusion (III): All trees are books – From the Venn diagram, it is evident that some parts of the circle representing trees lie outside the circle representing books while some lie inside. So, from this, it can be concluded that some trees are books. Therefore, this conclusion does not follow.
Conclusion (IV): Some lions are books – From the Venn diagram, it is evident that some parts of the circle representing lions lie outside

the circle representing books while some lie inside. So, from this, it can be concluded that some lions are books. Therefore, this conclusion follows.

Therefore, only conclusions I and IV follow. Hence, the **second option** is correct.

Q. 55 **Directions:** In the following question, one or two statements are given followed by two conclusions I and II. You have to consider the given statements to be true, even if they seem to be at variance from commonly known facts. You are to decide which of the given conclusions can be drawn from the given statements. Indicate your answer.

Statements:

1. All boys are tall.
2. Rajiv is a boy.

Conclusions:

I. Rajiv is tall.

II. Rajiv is not tall.

Option 1:
Only conclusion I follows

Option 2:
Only conclusion II follows

Option 3:
Both conclusion I and conclusion II follow

Option 4:
Neither conclusion I nor conclusion II follows

Correct Answer:
Only conclusion I follows

Solution:
As per the given information, let's analyse the conclusions –
Conclusion I: Rajiv is tall – Based on the given statements, Rajiv is a boy, and all boys are tall. Therefore, from this, it can be concluded that Rajiv is tall. So, this conclusion follows.
Conclusion II: Rajiv is not tall – Based on the given statements, Rajiv is a boy, and all boys are tall. Therefore, from this, it can be concluded that Rajiv is tall. Therefore, this conclusion does not follow.

So, only Conclusion I follows. Hence, the **first option** is correct.

Q. 56 **Directions:** Consider the given statements to be true and decide which of the given conclusions can be drawn from the given statements.

Statements:

1. No man is a donkey.
2. Ajay is a man.

Conclusions:

I. Ajay is not a donkey.

II. All men are not Ajay.

Option 1:
Only conclusion I follows

Option 2:
Only conclusion II follows

Option 3:
Both conclusion I and conclusion II follow

Option 4:
Neither conclusion I nor conclusion II follows

Correct Answer:
Only conclusion I follows

Solution:

As per the given information, let's analyse the conclusions –
Conclusion I: Ajay is not a donkey – Based on the given statements, Ajay is a man, and no man is a donkey. Therefore, from this, it can be concluded that Ajay is not a donkey. So, this conclusion follows.
Conclusion II: All men are not Ajay – Based on the given statements, Ajay is a man. It only provides information about Ajay being a man. It doesn't make any assertion about all other men. Thus, it doesn't conclude that all men are not Ajay. Therefore, this conclusion does not follow.

So, only Conclusion I follows. Hence, the **first option** is correct.

Q. 57 **Directions:** Three statements are given, followed by four conclusions numbered I, II, III, and IV. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:
Some desks are trays.
Some trays are plates.
Some plates are desks.

Conclusions:
I. All desks are plates.
II. All plates are desks.
III. Some plates are trays.
IV. All trays are desks.

Option 1:
Only conclusion III follows

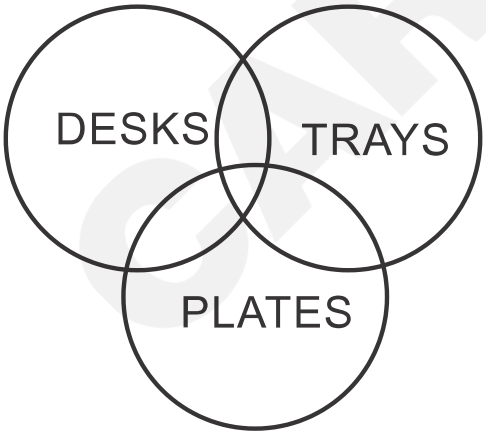
Option 2:
Only conclusion IV follows

Option 3:
Only conclusion II follows

Option 4:
Only conclusion I follows

Correct Answer:
Only conclusion III follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –

Conclusion I: All desks are plates – From the above diagram, it is clear that only some parts of the circle that are desks overlap with the circle that is plate. So, only some desks are plates. Therefore, this conclusion does not follow.

Conclusion II: All plates are desks – From the above diagram, it is clear that only some parts of the circle that are plates overlap with the circle that is desks. So, only some plates are desks. Therefore, this conclusion does not follow.

Conclusion III: Some plates are trays – From the above diagram, it is clear that only some parts of the circle that are plates overlap with the circle that is trays. So, only some plates are trays. Therefore, this conclusion follows.

Conclusion IV: All trays are desks – From the above diagram, it is clear that only some parts of the circle that are trays overlap with the circle that is desks. So, only some trays are desks. Therefore, this conclusion does not follow.

So, only conclusion III follows. Hence, the **first option** is correct.

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Q. 58 **Directions:** Consider the given statements to be true and decide which of the given conclusions can be drawn from the given statements.

Statements:

Some managers are young.

All boys are young.

Conclusions:

I. Some boys are managers.

II. Some managers are boys.

Option 1:
Only conclusion I follows

Option 2:
Only conclusion II follows

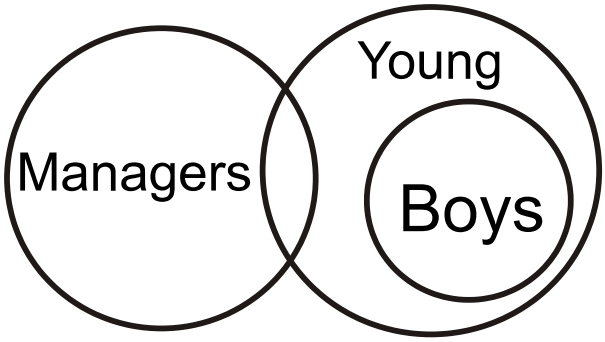
Option 3:
Neither conclusion I nor conclusion II follows

Option 4:
Both conclusion I and conclusion II follow

Correct Answer:
Neither conclusion I nor conclusion II follows

Solution:

The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions —

Conclusion I: Some boys are managers – From the Venn diagram, there is no direct relation between boys and managers. So, no definite relation can be drawn between them. So, this conclusion does not follow.

Conclusion II: Some managers are boys – From the Venn diagram, there is no direct relation between boys and managers. So, no definite relation can be drawn between them. So, this conclusion does not follow.

So, neither Conclusion I nor Conclusion II follows. Hence, the **third option** is correct.

Q. 59 **Directions:** Three statements are given followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some teachers are scientists.

All scientists are doctors.

All doctors are engineers.

Conclusions:

I. Some doctors are teachers.

II. Some engineers are teachers.

III. Some doctors are scientists.

Option 1:
Only conclusions I and II follow

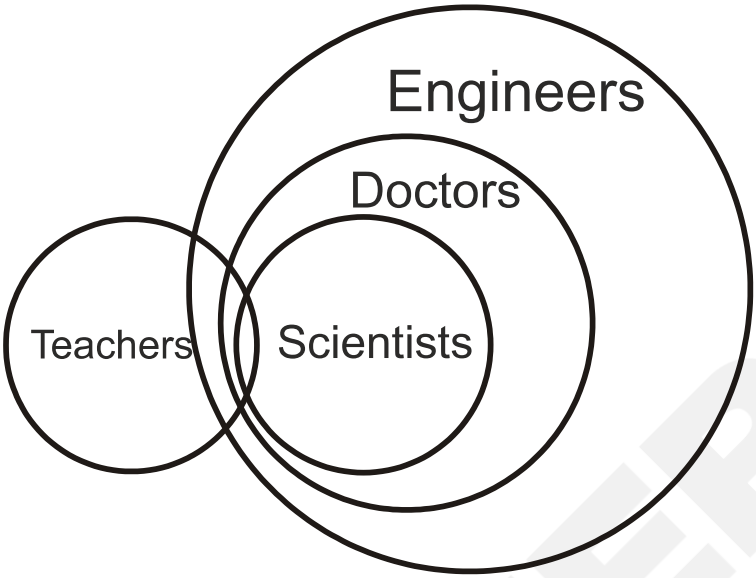
Option 2:
All conclusions follow

Option 3:
Only conclusions I and III follow

Option 4:
Only conclusions II and III follow

Correct Answer:
All conclusions follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some doctors are teachers – From the Venn diagram, it is evident that the circles representing teachers and doctors overlap and have a part of their areas in common. So, from this, it can be concluded that some doctors are teachers. Thus, this conclusion follows.
Conclusion II: Some engineers are teachers – From the Venn diagram, it is evident that the circles representing teachers and engineers overlap and have a part of their areas in common. So, from this, it can be concluded that some engineers are teachers. Thus, this conclusion follows.
Conclusion III: Some doctors are scientists – From the Venn diagram, it is evident that some parts of the circle representing

doctors lie inside the circle representing scientists while some lie outside. So, from this, it can be concluded that some doctors are scientists. Thus, this conclusion follows.

Therefore, all conclusions follow. Hence, the **second option** is correct.

Q. 60 **Directions:** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements:

Some apples are oranges.

All oranges are bananas.

All bananas are mangoes.

Conclusions:

I. Some mangoes are oranges.

II. Some bananas are apples.

Option 1:

Only conclusion I is true

Option 2:

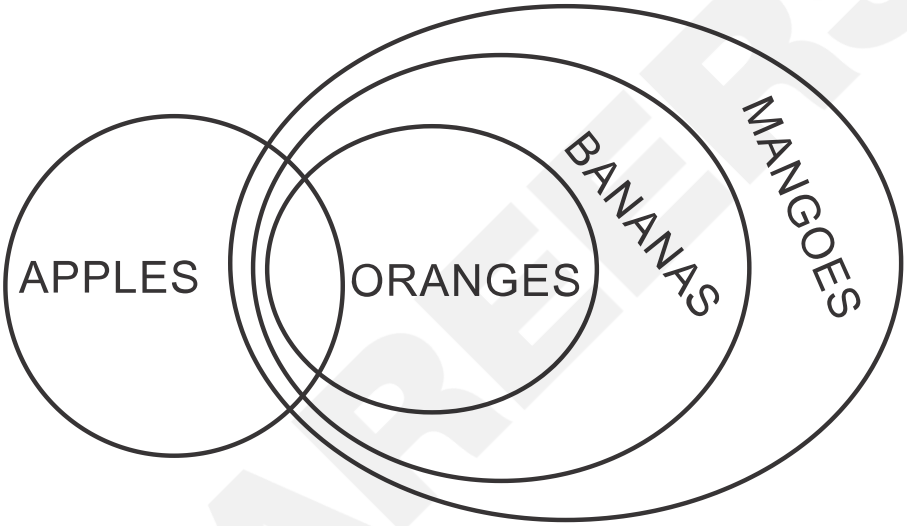
Both conclusions I and II are true

Option 3:
Neither conclusion I nor II is true

Option 4:
Only conclusion II is true

Correct Answer:
Both conclusions I and II are true

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some mangoes are oranges – From the Venn diagram, it is clear that some parts of the mango region lie outside the banana region and some overlap the region of the banana. Therefore, this conclusion follows.
Conclusion (II): Some bananas are apples – From the Venn diagram, the circle of bananas and apples overlap and have some common area between them. Therefore, this conclusion follows.

So, both conclusions follow. Hence, the **second option** is correct.

Q. 61 **Directions:** Consider the given statements to be true and decide which of the given conclusions can be drawn from the given statements.

Statements:

All elephants are men.

All men are socks.

Conclusions:

I. Some socks are elephants.

II. All elephants are socks.

Option 1:
Only conclusion I follows

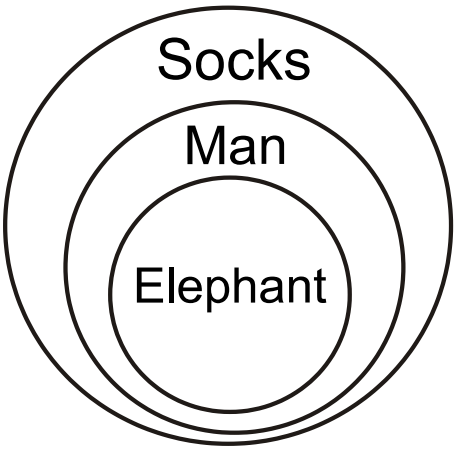
Option 2:
Only conclusion II follows

Option 3:
Both conclusions I and II follow

Option 4:
Neither conclusion I nor II follows

Correct Answer:
Both conclusions I and II follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some socks are elephants – From the Venn diagram, it is evident that some parts of the circle representing socks lie outside the circle representing the elephant while some lie inside. So, from this, it can be concluded that some socks are elephants. Therefore, this conclusion follows.
Conclusion II: All elephants are socks – From the Venn diagram, it is evident that the circle representing the elephant completely lies inside the circle representing socks. So, from this, it can be concluded that all elephants are socks. Thus, this conclusion follows.

So, both conclusions follow. Hence, the **third option** is correct.

Q. 62 **Directions:** Consider the given statements to be true and decide which of the given conclusions can be drawn from the given statements.

Statements:

Some books are rocks.

All rocks are clips.

Conclusions:

I. Some books are clips.

II. No Rock is a book.

Option 1:
Only conclusion I follows

Option 2:
Only conclusion II follows

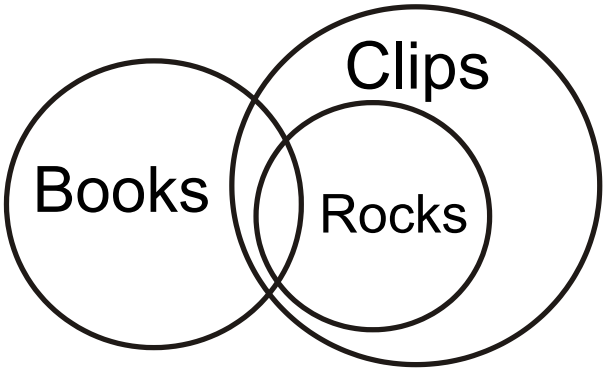
Option 3:
Both conclusions I and II follow

Option 4:
Neither conclusion I nor conclusion II follows

Correct Answer:
Only conclusion I follows

Solution:

The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –

Conclusion I: Some books are clips – From the Venn diagram, it is evident that the circles representing books and clips overlap each other and have a part of their areas in common. So, from this, it can be concluded that some books are clip. Thus, this conclusion follows.

Conclusion II: No Rock is a book – From the Venn diagram, it is evident that the circles representing books and rocks overlap each other and have a part of their areas in common. So, from this, it can be concluded that some rocks are books. Thus, this conclusion does not follow.

Therefore, only the conclusion I follows. Hence, the **first option** is correct.

Q. 63 **Directions:** Consider the given statements to be true even if they seem to be at variance from commonly known facts and decide which of the given conclusions can definitely be drawn from the given statements.

Statements:

I. All astronomers are scientists.

II. Some scientists are shopkeepers.

Conclusions:

I. All astronomers are shopkeepers.

II. Some shopkeepers are astronomers.

III. Some shopkeepers are scientists.

IV. All scientists are astronomers.

Option 1:
Only conclusion I follows

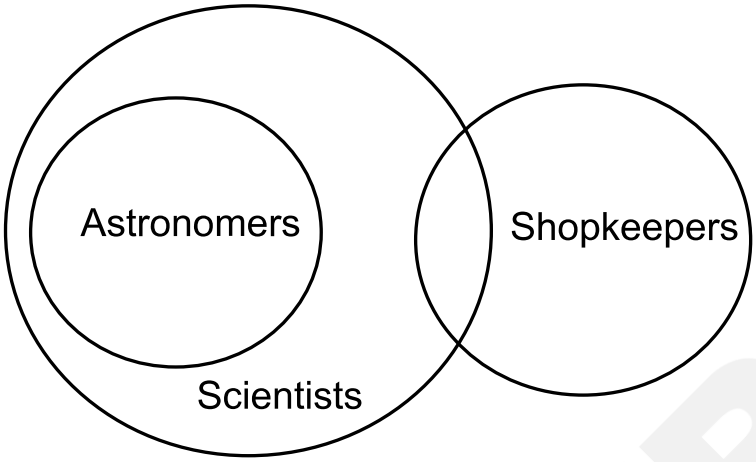
Option 2:
Conclusions I, II, and III follow

Option 3:
Only conclusion III follows

Option 4:
Conclusions II and IV follow

Correct Answer:
Only conclusion III follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: All astronomers are shopkeepers – From the Venn diagram, it is evident that there is no direct relation between astronomers and shopkeepers. So, no definite relation can be drawn. Therefore, this conclusion does not follow.
Conclusion II: Some shopkeepers are astronomers – From the Venn diagram, it is evident that there is no direct relation between astronomers and shopkeepers. So, no definite relation can be drawn. Therefore, this conclusion does not follow.
Conclusion III: Some shopkeepers are scientists – From the Venn diagram, it is evident that the circles representing shopkeepers and scientists overlap each other and have a part of their areas in common. So, from this, it can be concluded that some shopkeepers are scientists. Therefore, this conclusion follows.

Conclusion IV: All scientists are astronomers – From the Venn diagram, it is evident that some parts of the circle representing scientists lie outside the circle representing astronomers while some lie inside. So, from this, it can be concluded that some scientists are astronomers. Therefore, this conclusion does not follow.

Therefore, only conclusion III follows. Hence, the **third option** is correct.

Q. 64 **Directions:** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

Some chips are potatoes.

All potatoes are fries.

All fries are snacks.

Conclusions:

(I) All potatoes are snacks.

(II) Some snacks are chips.

Option 1:

Both conclusions (I) and (II) do not follow

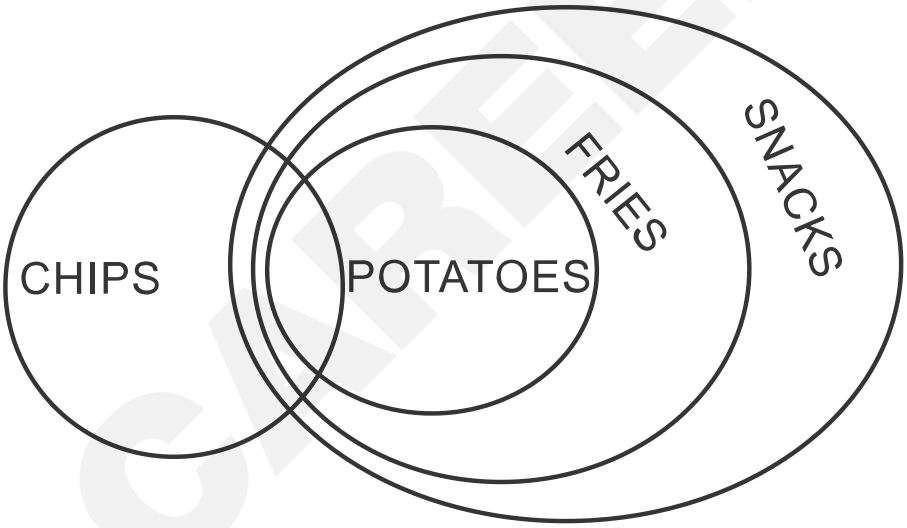
Option 2:
Only conclusion (I) follows

Option 3:
Both conclusions (I) and (II) follow

Option 4:
Only conclusion (II) follows

Correct Answer:
Both conclusions (I) and (II) follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: All potatoes are snacks – From the above diagram, it is clear that there is a direct relation between potatoes and snacks, as the circle that represents potatoes completely lies inside the circle that

represents snacks. Therefore, this conclusion follows.

Conclusion II: Some snacks are chips – From the above diagram, it is clear that there is a direct relation between snacks and chips, as two circles representing chips and snacks intersect and have a part of their area in common. Therefore, this conclusion follows.

So, both conclusions (I) and (II) follow. Hence, the **third option** is correct.

Q. 65 **Directions:** Consider the given statements to be true and decide which of the given conclusions can be drawn from the given statements.

Statements:

Some flies are ants.

All insects are ants.

Conclusions:

I. All flies are ants.

II. Some ants are insects.

Option 1:

Only conclusion I follows

Option 2:

Only conclusion II follows

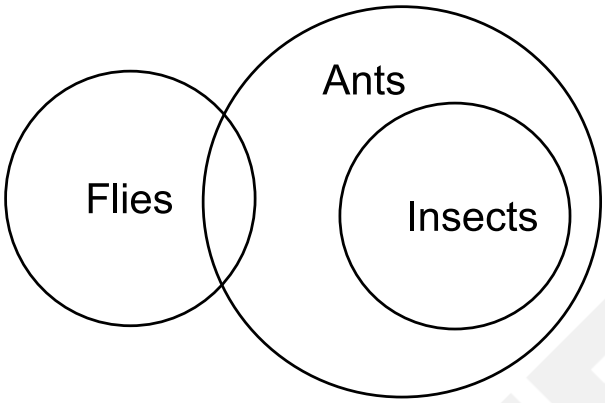
Option 3:

Both conclusions I and II follow

Option 4:
Neither conclusion I nor conclusion II follows

Correct Answer:
Only conclusion II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: All flies are ants – From the Venn diagram, it is evident that the circles representing flies and ants overlap and have a part of their areas in common. So, from this, it can be concluded that some flies are ants. Therefore, this conclusion does not follow.
Conclusion II: Some ants are insects – From the Venn diagram, it is evident that some parts of the circle representing ants lie outside the circle representing insects while some lie inside. So, from this, it can be concluded that some ants are insects. Therefore, this conclusion follows.

So, only the conclusion II follows. Hence, the **second option** is correct.

Q. 66 **Directions:** Consider the given statements to be true and decide which of the given conclusions can be drawn from the given statements.

Statements:

Some teachers are followers.

Some followers are famous.

Conclusions:

I. Some teachers are famous.

II. Some followers are teachers.

Option 1:
Only conclusion I follows

Option 2:
Only conclusion II follows

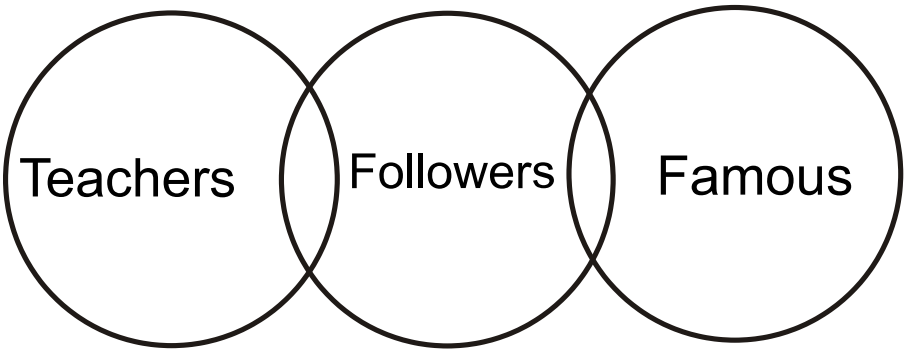
Option 3:
Both conclusions I and II follow

Option 4:
Neither conclusion I nor II follows

Correct Answer:
Only conclusion II follows

Solution:

The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –

Conclusion (I): Some teachers are famous – From the Venn diagram, it is evident that there is no direct relation between teachers and famous. So, no definite relation can be drawn. Therefore, this conclusion does not follow.

Conclusion (II): Some followers are teachers – From the Venn diagram, it is evident that the circles representing teachers and followers overlap each other and have a part of their areas in common. So, from this, it can be concluded that some followers are teachers. Therefore, this conclusion follows.

So, only the conclusion II follows. Hence, the **second option** is correct.

Q. 67 **Directions:** In the following question, two statements are given followed by two conclusions I and II. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

Some principals are teachers.

All teachers are students.

Conclusions:

I. All principals are students.

II. Some students are principals.

Option 1:
Only conclusion I follows

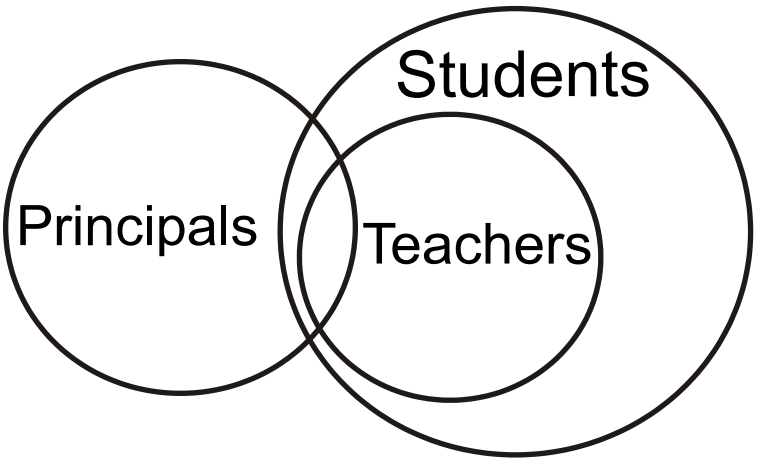
Option 2:
Only conclusion II follows

Option 3:
Both conclusion I and conclusion II follow

Option 4:
Neither conclusion I nor conclusion II follows

Correct Answer:
Only conclusion II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All principals are students – From the Venn diagram, it is evident that the circles representing principals and students overlap each other and have a part of their area in common. So, from this, it can be concluded that some principals are students. Thus, this conclusion does not follow.
Conclusion (II): Some students are principals – From the Venn diagram, it is evident that the circles representing principals and students overlap each other and have a part of their area in common. So, from this, it can be concluded that some students are principals. Thus, this conclusion follows.

So, only the conclusion II follows. Hence, the **second option** is correct.

Q. 68 **Directions:** In the following question, two statements are given followed by two conclusions I and II. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

1. All mangoes are golden in colour.
2. No golden-coloured things are cheap.

Conclusions:

I. All mangoes are cheap.

II. Golden-coloured mangoes are not cheap.

Option 1:
Only conclusion I follows

Option 2:
Only conclusion II follows

Option 3:
Either Conclusion I or Conclusion II follows

Option 4:
Both conclusions I and II follow

Correct Answer:
Only conclusion II follows

Solution:
As per the given information, let's analyse the conclusions –
Conclusion (I): All mangoes are cheap – Based on the given statements, it is given no golden-coloured things are cheap and all mangoes are golden in colour. Therefore, from this, it can be inferred that no mangoes are cheap. Thus, this conclusion does not follow.
Conclusion (II): Golden-colored mangoes are not cheap – Based on the given statements, it is given no golden-coloured things are cheap and all mangoes are golden in colour. Therefore, from this, it can be inferred that golden-coloured mangoes are not cheap. Thus, this conclusion follows.

So, only the conclusion II follows. Hence, the **second option** is correct.

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Q. 69 **Directions:** In this question, three statements are given, followed by two conclusions. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follows/follow from the statements.

Statements:

I. No streak is a line.

II. Some lines are bonds.

III. All bonds are flashes.

Conclusions:

I. Some flashes are streaks.

II. No flash is a line.

Option 1:
Only conclusion I follows

Option 2:
Both conclusions I and II follow

Option 3:
Only conclusion II follows

Option 4:
Neither conclusion I nor II follows

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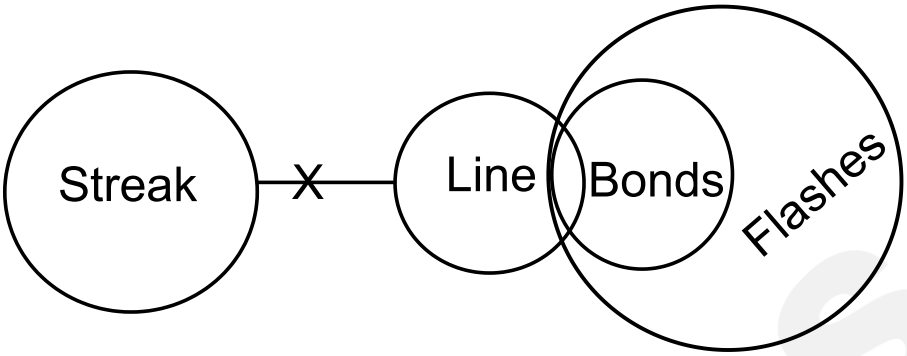
Correct Answer:
Neither conclusion I nor II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some flashes are streaks – From the above diagram, it can be seen that there is no direct relation between flashes and streaks. Therefore, this conclusion is false.
Conclusion II: No flash is a line – From the Venn diagram, it can be seen that the circle of flash and line intersect and have some common area between them and it implies that some flash are lines. Therefore, this conclusion is false.

Therefore, neither conclusion I nor II follows. Hence, the **fourth option** is correct.

Q. 70 **Directions:** In the following question, two statements are given followed by two conclusions I and II. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

1. Some girls are stars.
2. Meena is a girl.

Conclusions:

I. Meena is a star.

II. Some stars are not girls.

Option 1:
Only conclusion I follows

Option 2:
Only conclusion II follows

Option 3:
Both conclusion I and conclusion II follow

Option 4:
Neither conclusion I nor conclusion II follows

Correct Answer:
Neither conclusion I nor conclusion II follows

Solution:
As per the given information, let's analyse the conclusions –
Conclusion (I): Meena is a star – Based on the given statements, it is given that some girls are stars and Meena is a girl. From this, Meena doesn't need to be a star because some girls are stars not all girls are stars. Thus, Meena may or may not be a star. Therefore, this conclusion does not follow.
Conclusion (II): Some stars are not girls – Based on the given statements, it is given that some girls are stars. But it is nowhere stated some girls are not stars or some stars are not girls. Thus, this conclusion does not follow.

So, neither conclusion I nor II follows. Hence, the **fourth option** is correct.

Q. 71 **Directions:** In the following question, two statements are given followed by two conclusions I and II. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.
Statements:
All parrots are chicks.
All birds are chicks.
Conclusions:
I. Some birds are parrots.
II. All birds are chicks.

Option 1:
Both conclusion I and conclusion II follow

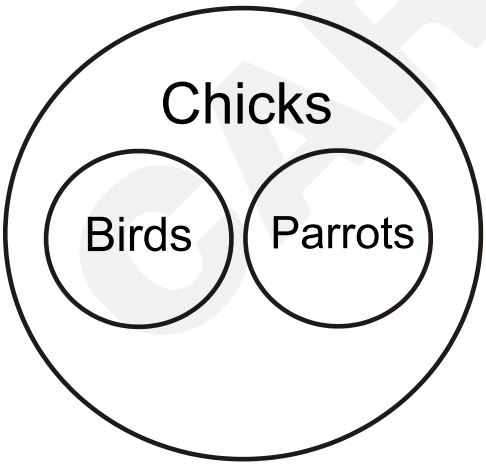
Option 2:
None of the two conclusions follows

Option 3:
Only conclusion I follows

Option 4:
Only conclusion II follows

Correct Answer:
Only conclusion II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –

Conclusion I: Some birds are parrots – From the Venn diagram, it is evident that there is no direct relation between birds and parrots. So, no definite relation can be drawn. Thus, this conclusion does not follow.

Conclusion II: All birds are chicks – From the Venn diagram, it is evident that the circle representing birds completely lies inside the circle representing chicks. So, from this, it can be concluded that all birds are chicks. Thus, this conclusion follows.

Therefore, only conclusion II follows. Hence, the **fourth option** is correct.

Q. 72 **Directions:** In the following question, two statements are given followed by two conclusions I and II. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

All animals are four-footed.

The dog has two legs.

Conclusions:

I. The dog is not an animal.

II. The dog is an animal.

Option 1:
Only I follows

Option 2:
Only II follows

Option 3:
Neither I nor II follows

Option 4:
Both I and II follow

Correct Answer:
Only I follows

Solution:
Based on the given statements, let's analyse the conclusions –
Conclusion I: The dog is not an animal – According to the given statements, all animals are four-footed and the dog has two legs. So, from this, it can be concluded that a dog is not an animal. Thus, this conclusion follows.
Conclusion II: The dog is an animal – According to the given statements, all animals are four-footed and the dog has two legs. So, from this, it can be concluded that a dog is not an animal. Thus, this conclusion does not follow.

Therefore, only the Conclusion I follows. Hence, the **first option** is correct.

Q. 73 **Directions:** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some keys are scales.

All books are papers.

All scales are paper.

Conclusions:

(I) No books are keys.

(II) Some papers are keys.

Option 1:
Both conclusions (I) and (II) follow

Option 2:
Only conclusion (I) follows

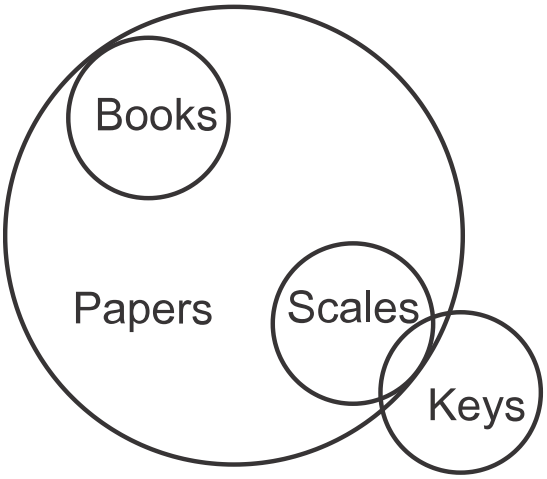
Option 3:
Only conclusion (II) follows

Option 4:
Neither conclusion (I) nor (II) follows

Correct Answer:
Only conclusion (II) follows

Solution:

The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –

Conclusion I: No books are keys – From the above diagram, it can be seen that there is no direct relation between books and keys. So, this conclusion does not follow.

Conclusion II: Some papers are keys – From the above diagram, we can see that the circle of papers and keys intersect and have some common area between them. So, this conclusion follows.

So, only conclusion II follows. Hence, the **third option** is correct.

Q. 74 **Directions:** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some pencils are cartoons.

All cartoons are rivers.

All rivers are shadows.

Conclusions:

(I) All pencils are shadows.

(II) All cartoons are shadows.

(III) Some shadows are pencils.

Option 1:
Both conclusions II and III follow

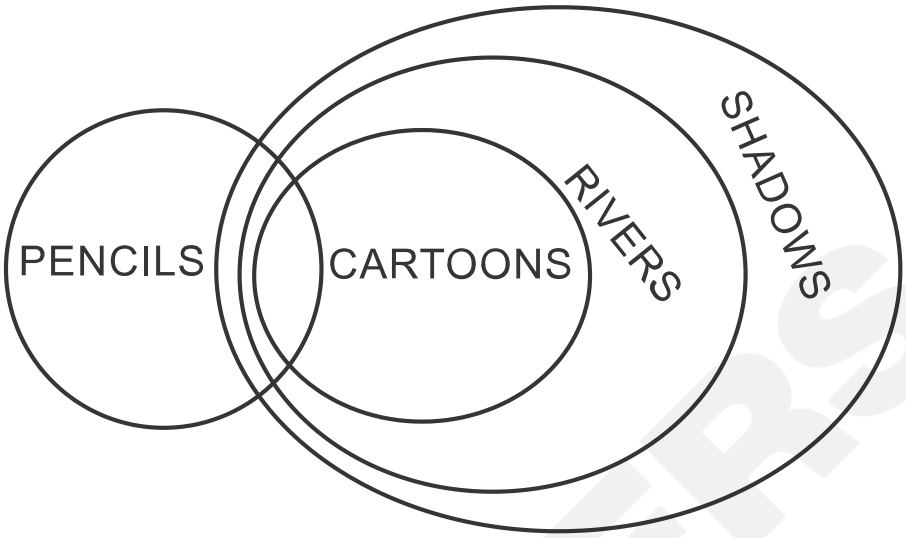
Option 2:
Both conclusions I and II follow

Option 3:
Only conclusion III follows

Option 4:
Only conclusion II follows

Correct Answer:
Both conclusions II and III follow

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: All pencils are shadows – From the above diagram, we can see that the circle of pencils and shadows intersect and have some common area between them. Therefore, this conclusion does not follow.
Conclusion II: All cartoons are shadows – From the above diagram, we can see that the circle of cartoons is completely inside the circle of shadows. Therefore, this conclusion follows.
Conclusion III: Some shadows are pencils – From the above diagram, we can see that the circles of the shadows and pencils intersect and have some common area between them. Therefore, this conclusion follows.

So, both conclusions II and III follow. Hence, the **first option** is correct.

Q. 75 **Directions:** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements:

(I) Some editors are journalists.

(II) All journalists are writers.

(III) No writer is a reporter.

Conclusions:

(I) Some writers are editors.

(II) No reporter is a journalist.

Option 1:
Only conclusion I follows

Option 2:
Only conclusion II follows

Option 3:
Both conclusions I and II follow

Option 4:
Neither conclusion I nor II follows

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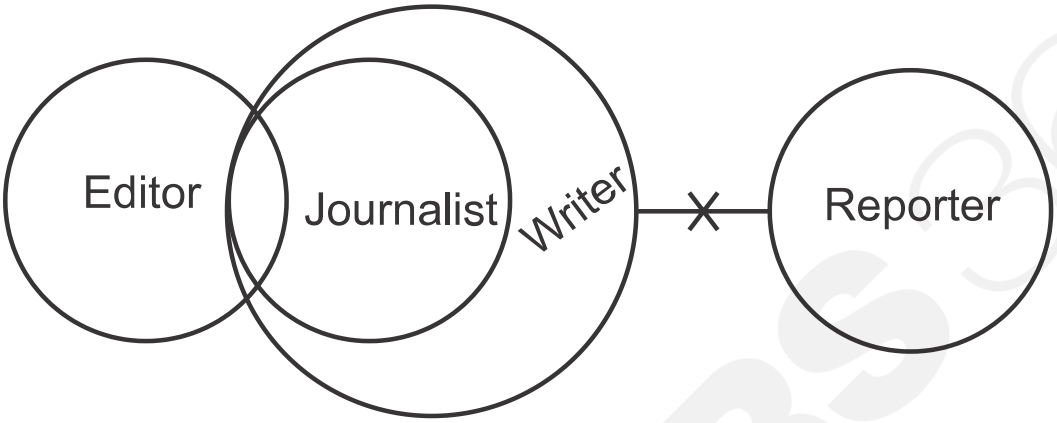
Correct Answer:
Both conclusions I and II follow

Solution:
According to the given statements, the following Venn diagram can be drawn –



Let's analyse the conclusions –
Conclusion I: Some writers are editors – From the above Venn diagram, it is clear that the circle of writers intersects the circle of editors and has some common area between them. So, this conclusion follows.
Conclusion II: No reporter is a journalist – From the above Venn diagram, it is clear that no writer is a reporter and a journalist is the part of a writer. So, this conclusion follows.

So, both conclusions I and II follow. Hence, the **third option** is correct.

Q. 76 **Directions:** In this question, three statements are given, followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follows/follow from the statements.

Statements:

All clowns are books.

Some books are heavy.

Some heavy are trucks.

Conclusions:

I. Some books are clowns.

II. All books are heavy.

III. Some trucks are heavy.

Option 1:

Only conclusions I and II follow

Option 2:

Only conclusions I and III follow

Option 3:

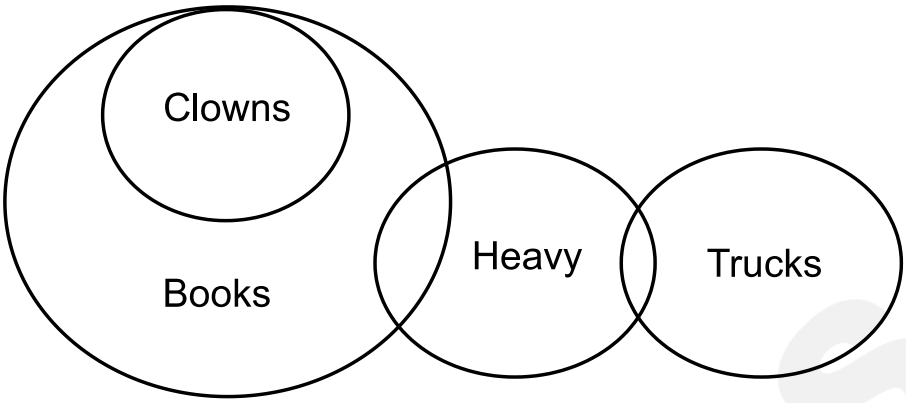
Only conclusion I follows

Option 4:

None of the conclusions follow

Correct Answer:
Only conclusions I and III follow

Solution:
The possible Venn diagram, according to the given statements is as follows –



Conclusion I: Some books are clowns – From the above diagram, we can see, that some parts of the circle of books are inside the clown and some parts are outside the clown. Therefore, some books are clowns follows.
Conclusion II: All books are heavy – From the above diagram, we can see that only some books are heavy not all. Therefore, this conclusion does not follow.
Conclusion III: Some trucks are heavy – From the above diagram, and given statements some heavy are trucks. So, the opposite also applies. Therefore, this conclusion follows.

So, only conclusions I and III follow. Hence, the **second option** is correct.

Q. 77 **Directions:** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

I. Some bagels are eggs.

II. Some bagels are cheese.

III. Some cheese are smiles.

Conclusions:

I. Some cheese is eggs.

II. Some bagels are smiles.

Option 1:
Only conclusion (II) follows

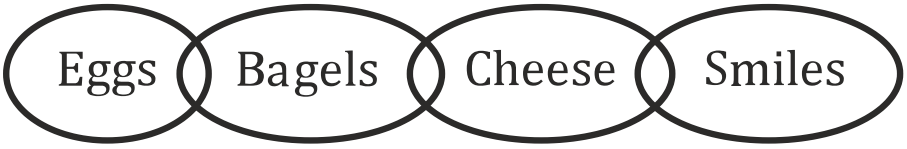
Option 2:
Only conclusion (I) follows

Option 3:
Both conclusions (I) and (II) do not follow

Option 4:
Both conclusions (I) and (II) follow

Correct Answer:
Both conclusions (I) and (II) do not follow

Solution:
The possible Venn diagram according to the given statements is as follows



Let's analyse the conclusions –
Conclusion (I): Some cheese are eggs – From the Venn diagram, it can be seen that there is no direct relation between cheese and eggs. Therefore, this conclusion does not follow.
Conclusion (II): Some bagels are smiles – From the Venn diagram, it is clear that there is no direct relation between bagels and smiles. Therefore, this conclusion does not follow.

So, both conclusions (I) and (II) do not follow. Hence, the **third option** is correct.

Q. 78 **Directions:** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some pens are boxes.

No box is a fan.

Some pens are fans.

Conclusions:

I. No pen is a fan.

II. No box is a pen.

III. Some fans are pens.

IV. Some boxes are pens.

Option 1:

Only conclusions I and III follow

Option 2:

Only conclusions II and IV follow

Option 3:

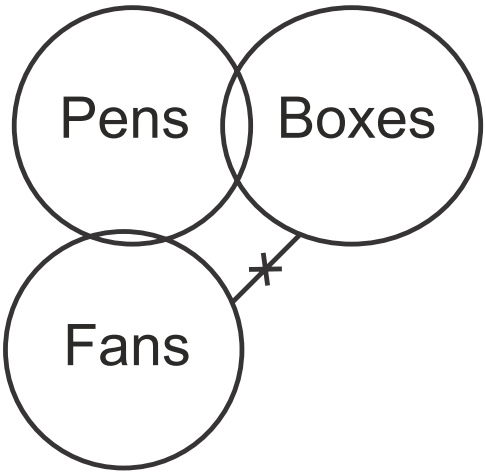
Only conclusions I and II follow

Option 4:

Only conclusions III and IV follow

Correct Answer:
Only conclusions III and IV follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: No pen is a fan – From the Venn diagram, it is clear that the circles that represent pens and fans overlap and have a part of their area in common. Therefore, this conclusion does not follow.
Conclusion II: No box is a pen – From the Venn diagram, it is clear that the circles that represent box and pen overlap and have a part of their area in common. Therefore, this conclusion does not follow.
Conclusion III: Some fans are pens – From the Venn diagram, it is clear that the circles that represent fans and pens overlap and have a part of their area in common. Therefore, this conclusion follows.
Conclusion IV: Some boxes are pens – From the Venn diagram, it is clear that the circles that represent boxes and pens overlap and have a part of their area in common. So, this conclusion follows.

So, only conclusions III and IV follow. Hence, the **fourth option** is correct.

Q. 79 **Directions:** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

(I) All bags are pots.

(II) All keys are pots.

(III) No lamps are pots.

Conclusions:

(I) Some bags are keys.

(II) No keys are lamps.

Option 1:
Only conclusion (II) follows

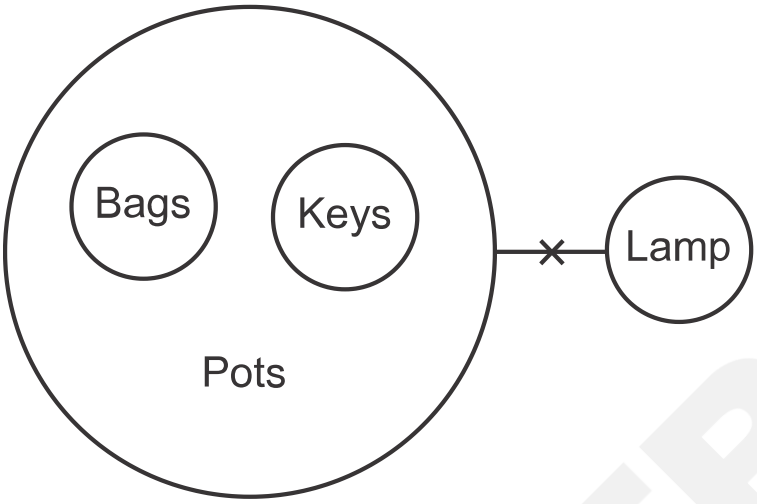
Option 2:
Only conclusion (I) follows

Option 3:
Neither conclusion (I) nor (II) follows

Option 4:
Both conclusions (I) and (II) follow

Correct Answer:
Only conclusion (II) follows

Solution:
According to the given statements, the following Venn diagram can be drawn –



Let's analyse the conclusions –
Conclusion (I): Some bags are keys – From the above Venn diagram and the given statements, there is no direct relation between bags and keys. Therefore, this conclusion doesn't follow.
Conclusion (II): No keys are lamps – From the above Venn diagram, the circle of keys is inside the circle of pots and it is given that no lamps are pots. Therefore, this conclusion follows.

So, only conclusion II follows. Hence, the **first option** is correct.

Q. 80 **Directions:** In this question, three statements are given, followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follows/follow from the statements.

Statements:

Some spoons are black.

All black are crows.

No crow is a plate.

Conclusions:

I. Some black are spoons.

II. All crows are black.

III. No plate is a crow.

Option 1:

Only conclusion I follows

Option 2:

Only conclusions I and III follow

Option 3:

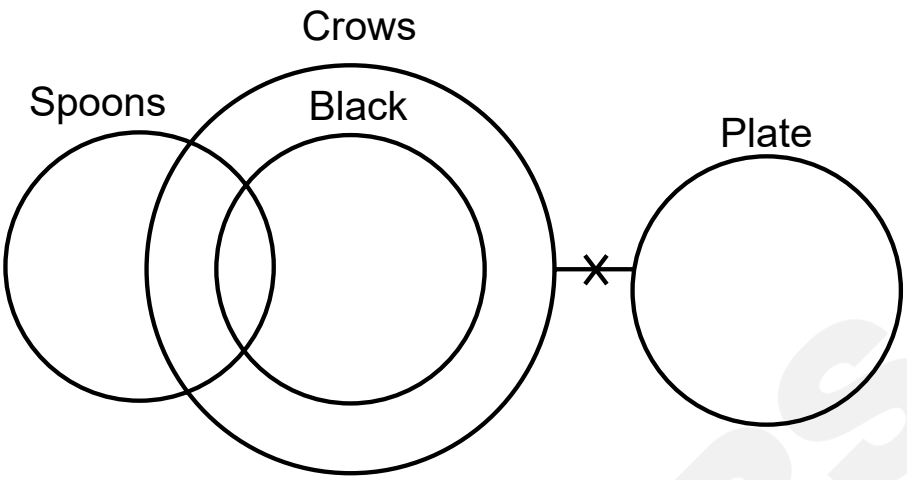
None of the conclusions follows

Option 4:

Only conclusion II follows

Correct Answer:
Only conclusions I and III follow

Solution:
Based on the given statements, the Venn diagram will be –



Let's analyse the conclusions –
Conclusion I: Some black are spoons – From the Venn diagram, it is clear that the circles that represent black and spoons overlap and have a part of their area in common. Therefore, this conclusion follows.
Conclusion II: All crows are black – From the Venn diagram, it is clear that some parts of the circle that represent crows lie outside the circle that represents black. So, some crows are black. Therefore, this conclusion does not follow.
Conclusion III: No plate is a crow – From the Venn diagram, there is a negative relation between a plate and a crow. Therefore, this conclusion follows.

So, only conclusions I and III follow. Hence, the **second option** is correct.

Q. 81 **Directions:** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

(I) All dances are art.

(II) Some walls are art.

(III) Some dances are groups.

Conclusions:

(I) Some walls are dances.

(II) Some groups are art.

Option 1:
Both conclusions (I) and (II) do not follow

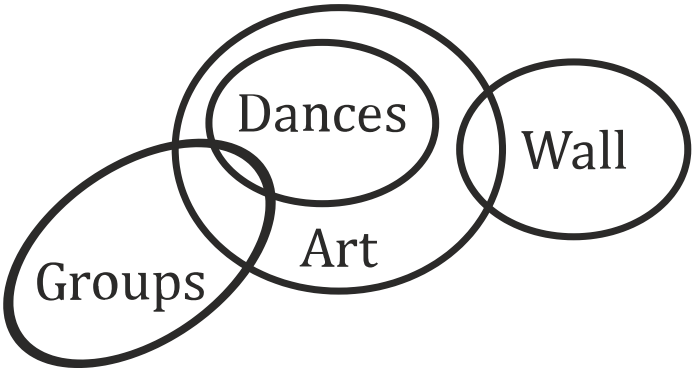
Option 2:
Only conclusion (I) follows

Option 3:
Both conclusions (I) and (II) follow

Option 4:
Only conclusion (II) follows

Correct Answer:
Only conclusion (II) follows

Solution:
The possible Venn diagram according to the statements given in the question –



Let's check each conclusion –
Conclusions I: Some walls are dances – According to the Venn diagram, there is no definite relation between walls and dances. Therefore, this conclusion does not follow.
Conclusion II: Some groups are art – According to the Venn diagram, the circle of groups and art intersect and have some common area between them. Therefore, this conclusion follows.

So, the only conclusion II follows. Hence, the **fourth option** is correct.

Q. 82 **Directions:** Three statements are given followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All computers are laptops.

All laptops are mobiles.

Some mobiles are tablets.

Conclusions:

I. Some mobiles are computers.

II. All computers are mobiles.

III. Some computers are tablets.

Option 1:

Only conclusions II and III follow

Option 2:

Only conclusions I and II follow

Option 3:

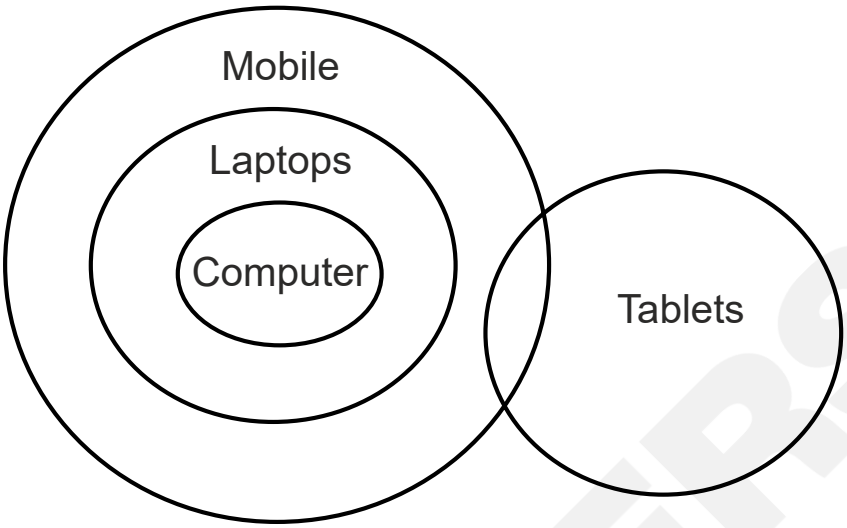
Only conclusions I and III follow

Option 4:

All conclusions follow

Correct Answer:
Only conclusions I and II follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some mobiles are computers – From the above Venn diagram, we can see that the circle of computers is completely inside the circle of mobile, implying that all computers are mobile and some mobile are computers. Therefore, this conclusion follows.
Conclusion II: All computers are mobiles – From the above Venn diagram, we can see that the circle of computers is completely inside the circle of mobile. Therefore, this conclusion follows.
Conclusion III: Some computers are tablets – From the above Venn diagram, we can see that there is no direct relation between tablets and computers. Therefore, this conclusion does not follow.

So, the only conclusions I and II follow. Hence, the **second option** is correct.

Q. 83 **Directions:** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

(I) All cranes are mixers.

(II) Some mixers are trucks.

(III) All trucks are vans.

Conclusions:

(I) No crane is a van.

(II) Some vans are mixers.

Option 1:
Only conclusion II follows

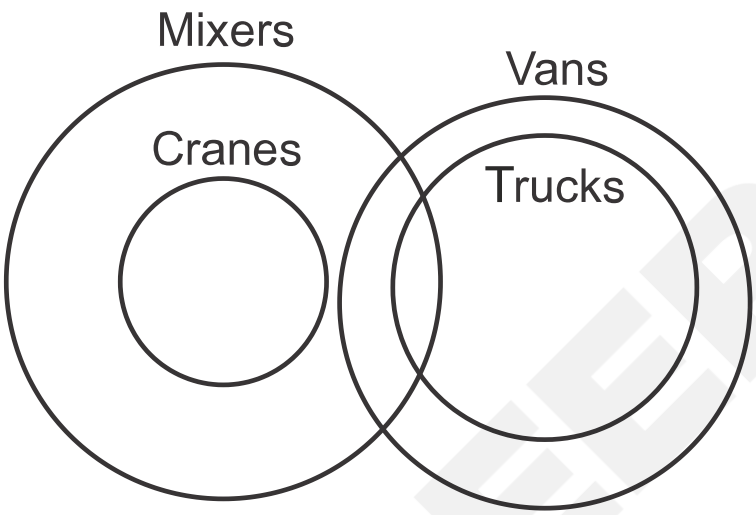
Option 2:
Both conclusions I and II follow

Option 3:
Neither conclusion I nor II follows

Option 4:
Only conclusion I follows

Correct Answer:
Only conclusion II follows

Solution:
The possible Venn diagram for the according to the given statements –



Let's analyse the conclusions –
Conclusion (I): No crane is a van – From the Venn diagram, it can be seen that there is no definite relation between a crane and a van. Therefore, this conclusion does not follow.
Conclusion (II): Some vans are mixers – From the Venn diagram, it can be seen that some part of the circle representing vans intersects the circle representing mixers. Therefore, this conclusion follows.

So, the only conclusion II follows. Hence, the **first option** is correct.

Q. 84 **Directions:** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

(I) Some goats are eagles.

(II) All eagles are snakes.

(III) No duck is an eagle

Conclusions:

(I) No snake is a goat.

(II) Some ducks are snake is a possibility.

(III) Some ducks are not goats.

Option 1:
Only conclusion II follows

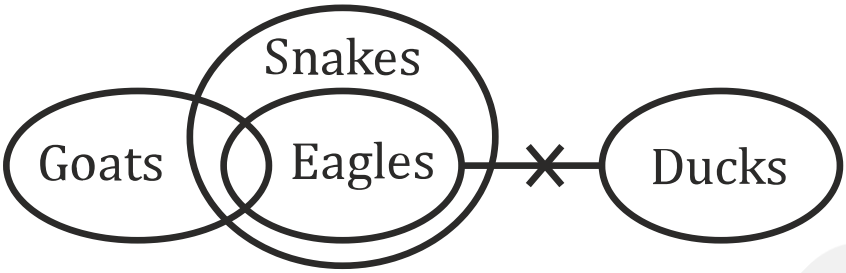
Option 2:
Both conclusions II and III follow

Option 3:
Only conclusion III follows

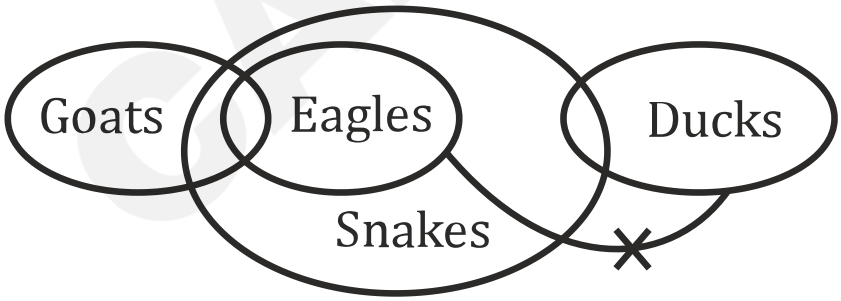
Option 4:
Both conclusions I and II follow

Correct Answer:
Both conclusions II and III follow

Solution:
According to the given statements, the following Venn diagram can be drawn –



Let's analyse the conclusions –
Conclusion I: No snake is a goat – From the above diagram, it can be seen that there is some part between the circle of the snake and the goats. Therefore, this conclusion does not follow.
Conclusion II: Some ducks are snakes is a possibility – From the above diagram, it can be seen that there is no direct relation between ducks and snakes but a possible relation can be drawn from it as shown below –



Therefore, this conclusion follows.
Conclusion III: Some ducks are not goats – From the above diagram, it can be seen that there is no direct relation between ducks and goats

and some ducks may or may not be goats. But some ducks can never be goats as those goats are eagles and eagles can not be ducks. Therefore, this conclusion follows.

Therefore, only conclusions II and III follow. Hence, the **second option** is correct.

Q. 85 **Directions:** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements:

(I) All tankers are ships.

(II) Some ships are rockets.

(III) Some tankers are guns.

Conclusions:

(I) Some guns are ships.

(II) Some tankers are rockets.

Option 1:

Neither conclusion (I) nor (II) is true

Option 2:

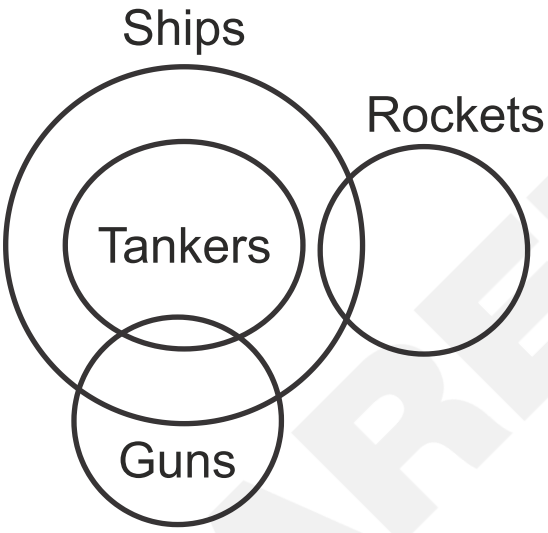
Only conclusion (II) is true

Option 3:
Both conclusions (I) and (II) are true

Option 4:
Only conclusion (I) is true

Correct Answer:
Only conclusion (I) is true

Solution:
The possible Venn diagram for the according to the given statements –



Let's analyse the conclusions –
Conclusion (I): Some guns are ships – According to the Venn diagram, some part of the circle representing guns intersects the circle representing ships. So, this conclusion follows.
Conclusion (II): Some tankers are rockets – According to the Venn diagram, we can see that there is no definite relation between tankers and rockets. So, this conclusion does not follow.

So, only the conclusion I is true. Hence, the **fourth option** is correct.

Q. 86 **Directions:** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

(I) All flowers are trees.

(II) All branches are leaves.

(III) No flowers are leaves.

Conclusions:

(I) No branches are flowers.

(II) No trees are leaves.

Option 1:
Both conclusions (I) and (II) follow

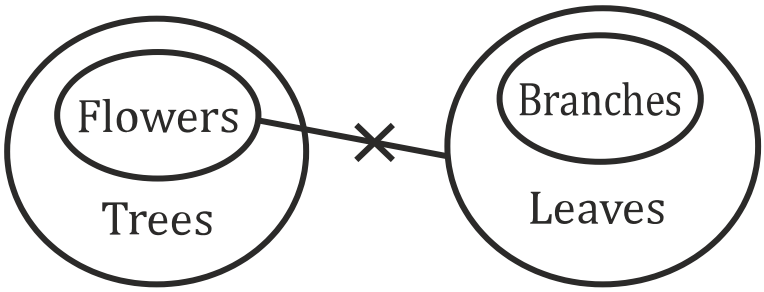
Option 2:
Only conclusion (II) follows

Option 3:
Neither conclusion (I) nor (II) follows

Option 4:
Only conclusion (I) follows

Correct Answer:
Only conclusion (I) follows

Solution:
According to the given statements, the following Venn diagram can be drawn –



Let's analyse the conclusions –
Conclusion I: No branches are flowers – From the above diagram, it can be seen that no leaves are flowers and branches are part of leaves. Therefore, this conclusion follows.
Conclusion II: No trees are leaves – From the above diagram, there is no direct relation between trees and leaves. Therefore, this conclusion does not follow.

Therefore, the only conclusion I follows. Hence, the **fourth option** is correct.

Q. 87 **Directions:** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements:

(I) All tulips are lilies.

(II) All orchids are lilies.

(III) No lily is a rose.

Conclusions:

(I) Some tulips are orchids.

(II) No orchid is a rose.

Option 1:
Only conclusion II follows

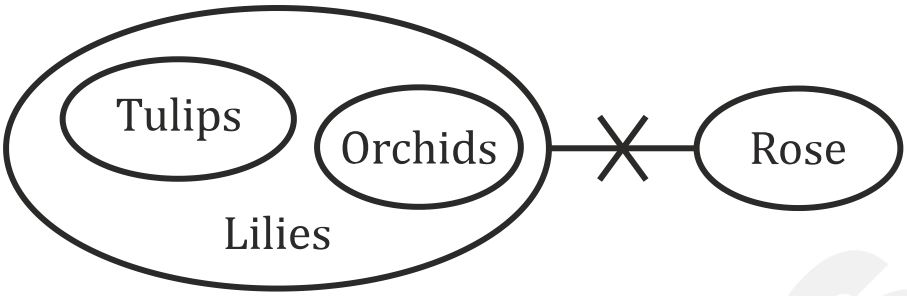
Option 2:
Only conclusion I follows

Option 3:
Neither conclusion I nor II follows

Option 4:
Both conclusions I and II follow

Correct Answer:
Only conclusion II follows

Solution:
The possible Venn diagram according to the statements given in the question is –



Let's check each conclusion –
Conclusion (I): Some tulips are orchids – According to the Venn diagram, there is no definite relation between tulips and orchids. So, this conclusion is false.
Conclusion (II): No orchid is a rose – According to the Venn diagram, no lilies are roses and an orchid is part of the lilies. So, this conclusion is true.

So, only conclusion II follows. Hence the **first option** is correct.

Q. 88 **Directions:** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

I. Some papers are buttons.

II. All papers are flowers.

III. All buttons are stamps.

Conclusions:

(I) Some flowers are stamps.

(II) Some buttons are flowers.

Option 1:
Only conclusion (I) follows

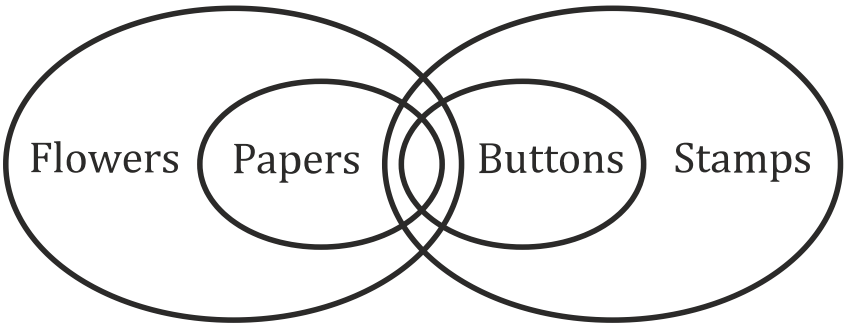
Option 2:
Both conclusions (I) and (II) follow

Option 3:
Only conclusion (II) follows

Option 4:
Neither conclusion (I) nor (II) follows

Correct Answer:
Both conclusions (I) and (II) follow

Solution:
The possible Venn diagram for the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some flowers are stamps – From the above Venn diagram, it is evident that some parts of the circle representing flowers intersect the circle representing stamps and have some common area between them. Therefore, this conclusion follows.
Conclusion (II): Some buttons are flowers – From the above Venn diagram, it is evident that some parts of the circle representing flowers intersect the circle representing buttons and have some common area between them. Therefore, this conclusion follows.

Therefore, both conclusions (I) and (II) follow. Hence, the **second option** is correct.

Q. 89 **Directions:** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements:

I. All directors are actors.

II. Some actors are writers.

III. No writer is a producer.

Conclusions:

I. Some directors are writers

II. No producer is a director

Option 1:
Neither conclusion I nor II follows

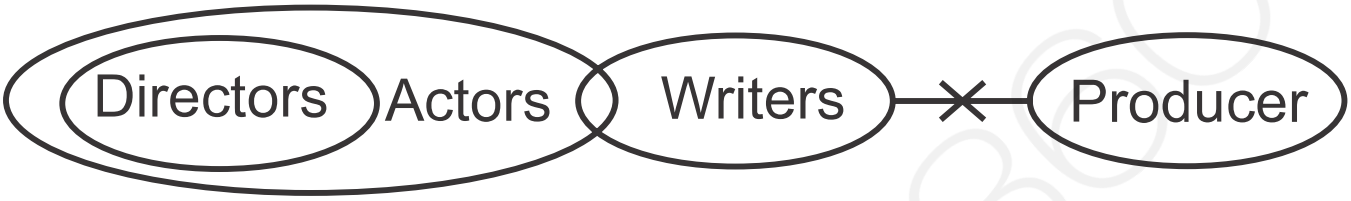
Option 2:
Only conclusion I follows

Option 3:
Both conclusions I and II follow

Option 4:
Only conclusion II follows

Correct Answer:
Neither conclusion I nor II follows

Solution:
According to the given statements, the following Venn diagram can be drawn –



Let's analyse the conclusions –
Conclusion I: Some directors are writers – From the above diagram, it can be seen that there is no direct relation between directors and writers. So, this conclusion does not follow.
Conclusion II: No producer is a director – From the above diagram, it can be seen that there is no definite relation between producers and directors. So, this conclusion does not follow.

Therefore, neither conclusion I nor II follows. according to the given statements. Hence, the **first option** is correct.

Q. 90 **Directions:** One/two statement(s) is/are given followed by two conclusions, I and II. You have to consider the statement(s) to be true, even if it/they seem(s) to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow(s) from the given statement(s).

Statements:

All frogs are tortoises.

No tortoise is a crocodile.

Conclusions:

I. No crocodile is a frog.

II. No frog is a crocodile.

Option 1:
Only I follows

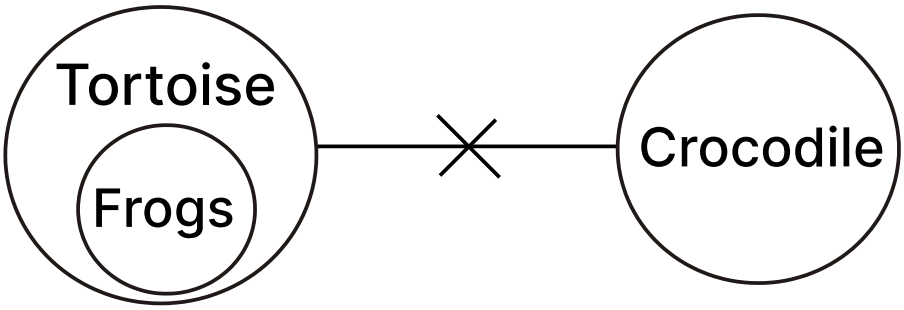
Option 2:
Only II follows

Option 3:
Both I and II follow

Option 4:
Neither I nor II follows

Correct Answer:
Both I and II follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: No crocodile is a frog – Based on the given statements, it is given that all frogs are tortoises and no tortoise is a crocodile. From this, it can be inferred that no crocodile is a frog. So, this conclusion follows.
Conclusions II: No frog is a crocodile – Based on the given statements, it is given that all frogs are tortoises and no tortoise is a crocodile. From this, it can be inferred that no frog is a crocodile. So, this conclusion follows.

So, both I and II follow. Hence, the **third option** is correct.

Q. 91 **Directions:** One/two statement(s) is/are given followed by two conclusions, I and II. You have to consider the statement(s) to be true, even if it/they seem(s) to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow(s) from the given statement(s).

Statements:

Some shoes are white.

All white are blue.

Conclusions:

I. All shoes are blue.

II. Some shoes are blue.

Option 1:
Only I follows

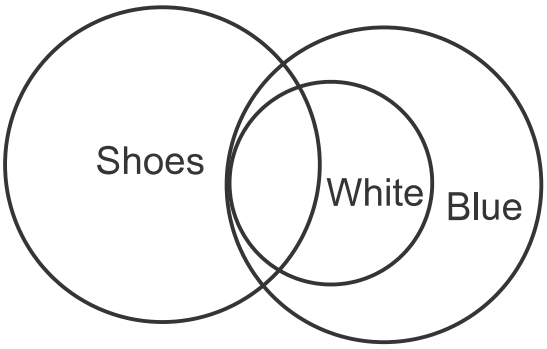
Option 2:
Only II follows

Option 3:
Both I and II follow

Option 4:
Neither I nor II follows

Correct Answer:
Only II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: All shoes are blue – From the Venn diagram, it is evident that the circles representing shoes and blue overlap each other and have a part of their areas in common. So, from this, it can be concluded that some shoes are blue. Thus, this conclusion does not follow.
Conclusion II: Some shoes are blue – From the Venn diagram, it is evident that the circles representing shoes and blue overlap each other and have a part of their areas in common. So, from this, it can be concluded that some shoes are blue. Thus, this conclusion follows.

Therefore, only conclusion II follows. Hence, the **second option** is correct.

Q. 92 **Directions:** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

All shoes are feet.

Some shoes are boxes.

All boxes are houses.

Conclusions:

(I) Some houses are shoes.

(II) Some feet are boxes.

Option 1:

Both conclusions (I) and (II) do not follow

Option 2:

Only conclusion (I) follows

Option 3:

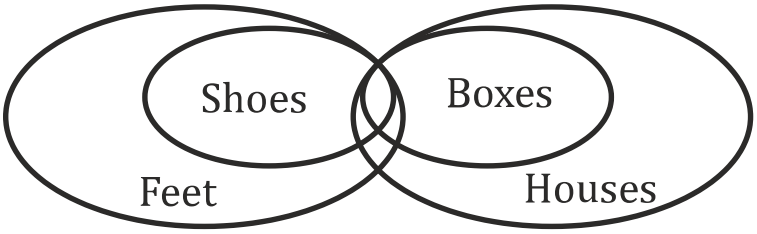
Both conclusions (I) and (II) follow

Option 4:

Only conclusion (II) follows

Correct Answer:
Both conclusions (I) and (II) follow

Solution:
According to the above statements, the following Venn diagram can be drawn –



Let's analyse the conclusions –
Conclusion I: Some houses are shoes – From the above diagram, it can be seen that the circle representing shoes intersect the circle representing houses and has some common area between them. Therefore, this conclusion follows.
Conclusion II: Some feet are boxes – From the above diagram, it can be seen that the circle representing feet intersect the circle representing boxes and has some common area between them. Therefore, this conclusion follows.

Therefore, both conclusions (I) and (II) follow. Hence, the **third option** is correct.

Q. 93 **Directions:** In this question, three statements are given, followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follows/follow from the statements.

Statements:

All balls are flowers.

All flowers are plates.

Some plates are cups.

Conclusions:

I. Some flowers are balls.

II. Some plates are flowers.

III. All cups are plates.

Option 1:
Only conclusions I and II follow

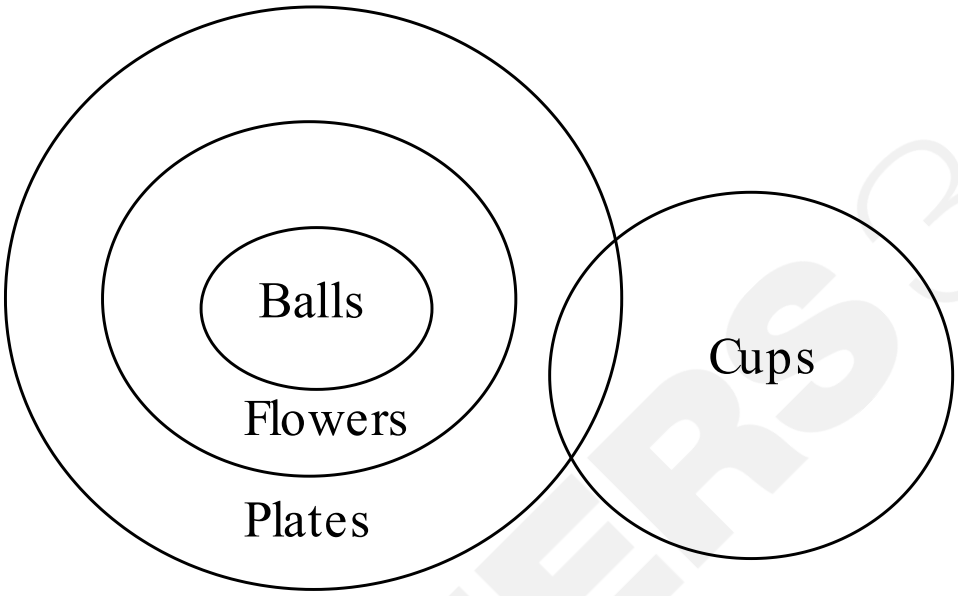
Option 2:
Only conclusion III follows

Option 3:
Only conclusion II follows

Option 4:
Only conclusion I follows

Correct Answer:
Only conclusions I and II follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some flowers are balls – In the above diagram, it can be seen that the circle of balls is completely inside the circle of flowers, which implies that some flowers are balls. So, this conclusion is true based on the given statements.
Conclusion II: Some plates are flowers – In the above diagram, it can be seen that the circle of flowers is completely inside the circle of plates, which implies that some of the plates are flowers. So, this conclusion is true based on the given statements.
Conclusion III: All cups are plates – In the above diagram, it can be

seen that the circle of plates overlaps with some parts of the circles of cups which implies that some cups are plates, but all plates are cups is not a true conclusion based on the given statements.

So, only conclusions I and II follow. Hence, the **first option** is correct.

Q. 94 **Directions:** Three statements are given, followed by four conclusions numbered I, II, III, and IV. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

I. Some coolers are mixers.

II. Some mixers are scissors.

III. Some scissors are knives.

Conclusions:

I. Some knives are mixers.

II. Some scissors are coolers.

III. Some knives are coolers.

IV. No knife is a mixer.

Option 1:

Only conclusions III and IV follow

Option 2:

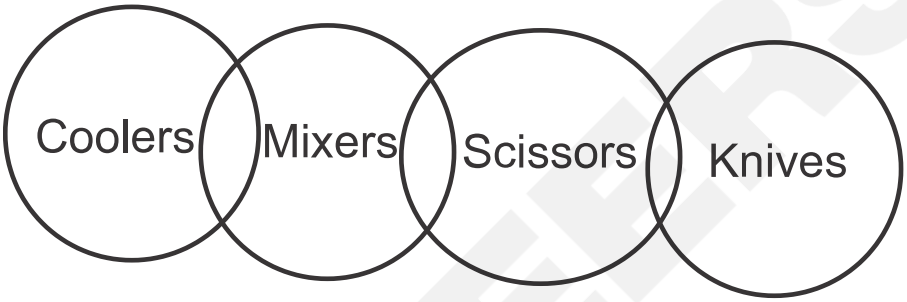
Only conclusions I and III follow

Option 3:
None of the conclusions follow

Option 4:
Only conclusions II and IV follow

Correct Answer:
None of the conclusions follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some knives are mixers – From the above Venn diagram, we can see that there is no direct relation between the circles knives and mixers. So, this conclusion doesn't follow.
Conclusion (II): Some scissors are coolers – From the above Venn diagram, we can see that there is no definite relation between the circles of scissors and coolers. So, this conclusion doesn't follow.
Conclusion (III): Some knives are coolers – From the above Venn diagram, we can see that there is no definite relation between the circles of knives and coolers. So, this conclusion doesn't follow.
Conclusion (IV): No knife is a mixer – From the above Venn diagram,

there is no direct relation between the circles of the knife and the mixer. So, nothing definite can be drawn from this. Thus, this conclusion doesn't follow.

So, none of the conclusions follow. Hence, the **third option** is correct.

Q. 95 **Directions:** Three statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All fruits are wines.

Some wines are juices.

All juices are alcohol.

Conclusions:

I. Some alcohols are juices.

II. Some wines are alcohols.

III. Some wines are fruits.

Option 1:

Only conclusions I and II follow

Option 2:

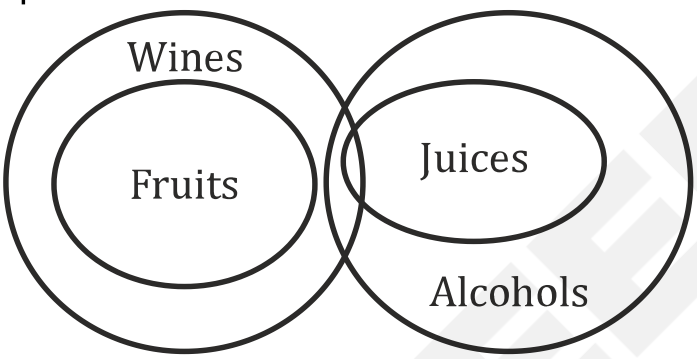
All conclusions follow

Option 3:
Only conclusions I and III follow

Option 4:
Only conclusions II and III follow

Correct Answer:
All conclusions follow

Solution:
The possible Venn diagram according to statements given in the question is –



Conclusions I: Some alcohols are juices – From the diagram, it is clear that some part of the circle representing alcohol lies outside the circle representing juices. So it can be concluded that some alcohols are juices.
Conclusions II: Some wines are alcohol – From the diagram, it is clear that some parts of the circle representing wines overlap with the circle representing alcohol and have some common area between them. So, it can be concluded that some wines are alcohol.
Conclusions III: Some wines are fruits – From the diagram, it is clear that some part of the circle representing wines lies outside the circle representing fruits. So, it can be concluded that some wines are fruits.

So, all conclusions follow. Hence, the **second option** is correct

Q. 96 **Directions:** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow from the given statements.

Statements:

(I) All cars are yellow.

(II) Some yellows are flowers.

(III) Some flowers are brown.

Conclusions:

(I) Some yellows are brown.

(II) All yellows are cars.

Option 1:
Neither conclusion (I) nor (II) follows

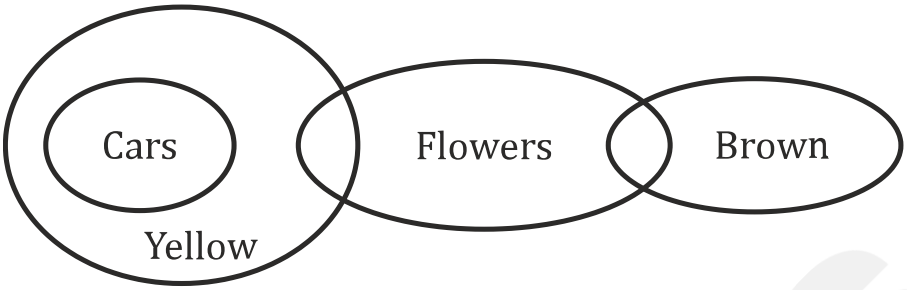
Option 2:
Only conclusion (II) follows

Option 3:
Only conclusion (I) follows

Option 4:
Both conclusions (I) and (II) follow

Correct Answer:
Neither conclusion (I) nor (II) follows

Solution:
The possible Venn diagram according to the statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some yellows are brown – According to the Venn diagram, there is no definite relation between yellow and brown. Therefore, this conclusion does not follow.
Conclusion (II): All yellows are cars – According to the Venn diagram, it is evident that some part of the circle representing yellow lies outside the circle representing cars. So, it can be concluded that some yellows are cars, but not all. Therefore, this conclusion does not follow.

So, neither conclusion I nor II follows. Hence, the **first option** is correct.

Q. 97 **Directions:** Three statements are given followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All rice is grains.

All pulses are grains.

All grains are edibles.

Conclusions:

I. All rice is edible.

II. All pulses are edible.

III. Some edibles are grains.

Option 1:
All conclusions follow

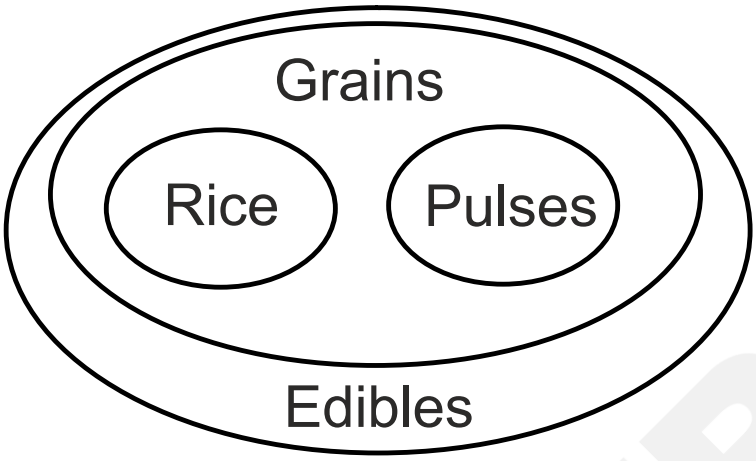
Option 2:
Only conclusions II and III follow

Option 3:
Only conclusions I and II follow

Option 4:
Only conclusions I and III follow

Correct Answer:
All conclusions follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All rice is edible – From the above diagram, we can see that the circle of rice is completely inside the circle of edibles, implying that all rice is edible. Therefore, this conclusion follows.
Conclusion (II): All pulses are edible – From the above diagram, we can see that the circle of pulses is completely inside the circle of edibles, implying that all pulses are edible. Therefore, this conclusion follows.
Conclusion (III): Some edibles are grains – From the above diagram, it is clear that some parts of edibles lie outside the circle of grains and some lie inside. Therefore, this conclusion follows.

So, all conclusions follow according to the given statements. Hence, the **first option** is correct.

Q. 98 **Directions:** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

(I) Some books are horse.

(II) All horses are animals.

(III) Some animals are oceans.

Conclusions:

(I) Some horses are oceans.

(II) Some animals are books.

Option 1:
Both conclusions (I) and (II) are true

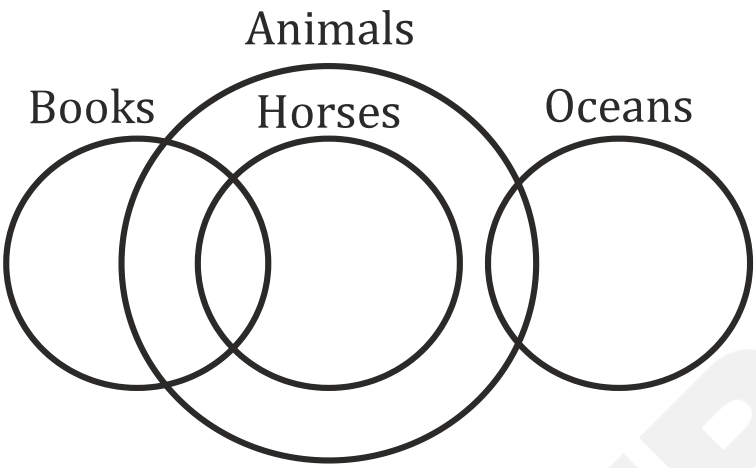
Option 2:
Only conclusion (I) is true

Option 3:
Only conclusion (II) is true

Option 4:
Neither conclusion (I) nor (II) is true

Correct Answer:
Only conclusion (II) is true

Solution:
The possible Venn diagram as per the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some horses are oceans – From the Venn diagram, there is no definite relation between horses and oceans. So, this conclusion does not follow.
Conclusion (II): Some animals are books – From the Venn diagram, there is some region common to both animals and books. So, this conclusion follows.

Thus, the only conclusion (II) is true. Hence, the **third option** is correct.

Q. 99 **Directions:** Three statements are given followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

I. All pencils are colours.

II. All colours are paints.

III. Some paints are drawings.

Conclusions:

I. Some pencils are drawings.

II. Some paints are colours.

III. Some colours are pencils.

Option 1:
Only conclusions I and III follow

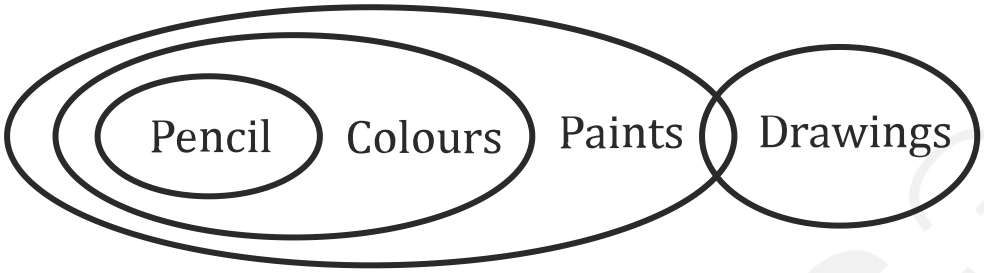
Option 2:
Only conclusions II and III follow

Option 3:
Only conclusions I and II follow

Option 4:
All conclusions follow

Correct Answer:
Only conclusions II and III follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some pencils are drawings – From the Venn diagram, there is no direct relation between pencils and drawings. Therefore, this conclusion does not follow.
Conclusion (II): Some paints are colours – From the Venn diagram, it is clear that some part of the circle representing paints lies outside the circle representing colours whereas some lie inside. Therefore, this conclusion follows.
Conclusion (III): Some colours are pencils – From the Venn diagram, it is clear that some part of the circle representing colours lies outside the circle representing pencils whereas some lie inside. Therefore, this conclusion follows.

So, only conclusions II and III follow. Hence, the **second option** is correct.

Q. 100

Directions: Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow from the given statements.

Statements:

All napkins are whisks.

Some whisks are kettles.

No kettle is a bowl.

Conclusions:

(I) Some napkins are whisks.

(II) Some kettles are whisks.

Option 1:

Neither conclusion (I) nor (II) follows

Option 2:

Both conclusions (I) and (II) follow

Option 3:

Only conclusion (I) follows

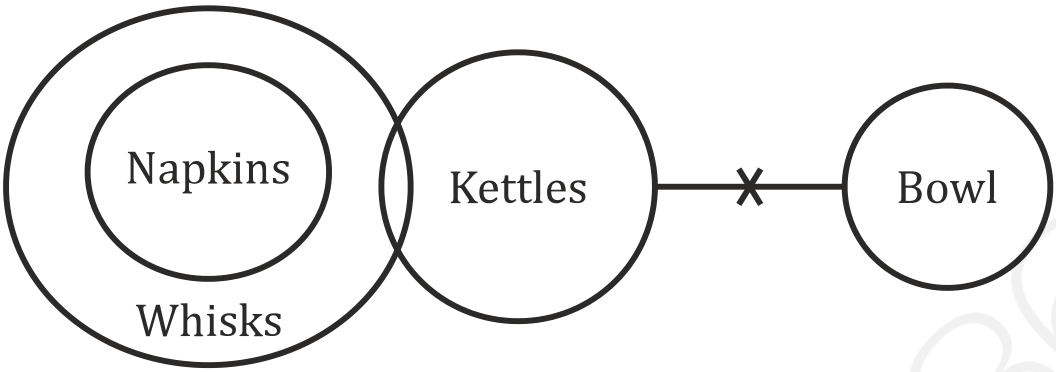
Option 4:

Only conclusion (II) follows

Correct Answer:

Both conclusions (I) and (II) follow

Solution:
According to the given statements, the following Venn diagram can be drawn –



Let's analyse the conclusion –
Conclusion I: Some napkins are whisks – From the Venn diagram, the circle of napkins is inside the circle of whisks. From this, it can be concluded that all napkins are whisks. So, some napkins are definitely whisks.
Conclusion II: Some kettles are whisks – From the above Venn diagram, the circle of whisks intersects the circle of kettles and has some common area between them. From this, it can be concluded that some kettles are whisks.

So, both conclusions follow. Hence, the **second option** is correct.

Q. 101

Directions: In the following question below, some statements are followed by some conclusions. Taking the given statements to be true, even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows from the given statements.

Statements:

Some white is yellow.

All yellow is blue.

Conclusions:

I. Some blue is white.

II. Some yellow is white.

Option 1:
Only I follows

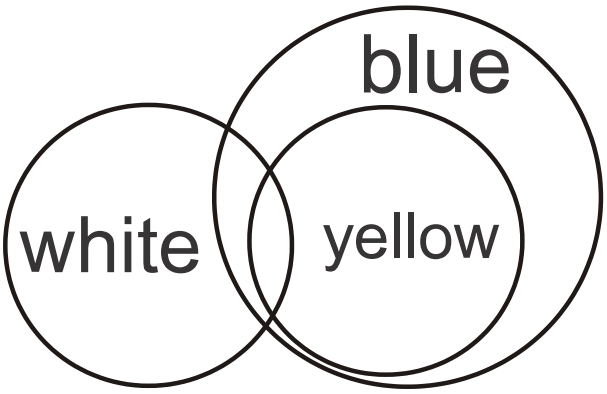
Option 2:
Only II follows

Option 3:
Neither I nor II follows

Option 4:
Both I and II follow

Correct Answer:
Both I and II follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some blue is white – From the Venn diagram, it is evident that the circles representing blue and white overlap each other. So, from this, it can be concluded that some blue is white. Thus, this conclusion follows.
Conclusion II: Some yellow is white – From the Venn diagram, it is evident that the circles representing yellow and white overlap each other. So, from this, it can be concluded that some yellow is white. Thus, this conclusion follows.

So, both conclusions I and II follow. Hence, the **fourth option** is correct.

Q. 102

Directions: Three Statements are given followed by three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

I. Some sweets are chocolates.

II. All chocolates are cookies.

III. Some cookies are healthy.

Conclusions:

I. Some sweets are cookies.

II. Some cookies are chocolates.

III. Some chocolates are sweets.

Option 1:
Both conclusions II and III follow

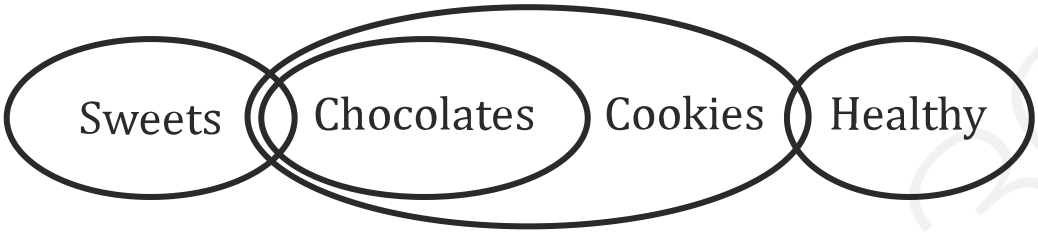
Option 2:
Both conclusions I and III follow

Option 3:
Both conclusions I and II follow

Option 4:
All conclusions follow

Correct Answer:
All conclusions follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some sweets are cookies – From the Venn diagram, it is clear that the circle of sweets and cookies intersect and have some common area between them. Therefore, this conclusion follows.
Conclusion (II): Some cookies are chocolates – From the Venn diagram, it is clear that some part of the cookies lies inside the circle of chocolates and some lie outside. Therefore, this conclusion follows.
Conclusion (III): Some chocolates are sweets – From the Venn diagram, it is clear that the circle of sweets and chocolates intersect and have some common area between them. Therefore, this conclusion follows.

Therefore, all conclusions follow. Hence, the **fourth option** is correct.

Q. 103

Directions: Three statements are given followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All males are boys.

Some teachers are boys.

All students are teachers.

Conclusions:

I. Some boys are males.

II. Some teachers are students.

III. All males are students.

Option 1:

All conclusions follow

Option 2:

Only conclusions II and III follow

Option 3:

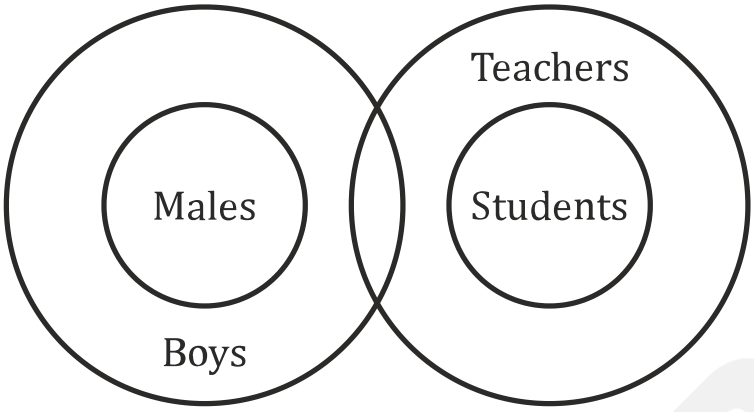
Only conclusions I and II follow

Option 4:

Only conclusions I and III follow

Correct Answer:
Only conclusions I and II follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some boys are males – From the above Venn diagram, it is clear that some part of the circle of boys lies inside the circle of males and some part lies outside the circle of males. Therefore, this conclusion follows.
Conclusion II: Some teachers are students – From the above Venn diagram, it is clear that some part of the circle of teachers lies inside the circle of students and some part lies outside the circle of students. Therefore, this conclusion follows.
Conclusion III: All males are students – From the above Venn diagram, it is clear that there is no direct relation between males and students. Therefore, this conclusion does not follow.

So, only conclusions I and II follow. Hence, the **third option** is correct.

Q. 104 **Directions:** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All flags are symbols.

All symbols are prides.

Some prides are bright.

Conclusions:

(I) All flags are pride.

(II) Some flags are bright is a possibility.

(III) Some symbols are bright is a possibility.

Option 1:

Only conclusion I follows

Option 2:

Only conclusion II follows

Option 3:

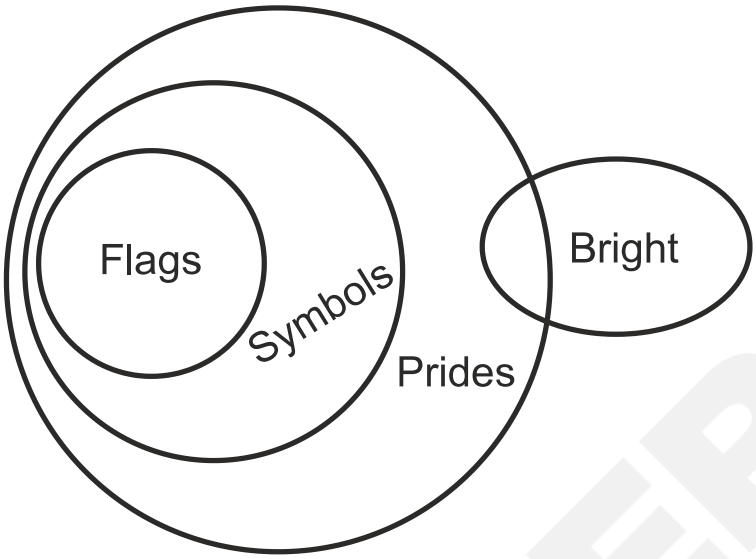
All conclusions I, II and III follow

Option 4:

Both conclusions I and II follow

Correct Answer:
All conclusions I, II and III follow

Solution:
According to the given statements, the following Venn diagram can be drawn –



Let's analyse the conclusions –
Conclusion I: All flags are pride – From the above diagram, it can be seen that the circle of flags is completely inside the circle of pride. Therefore, this conclusion follows.
Conclusion II: Some flags are bright is a possibility – From the above diagram, it can be seen that there is no definite relation between flags and the bright. So, the possibility is possible. Therefore, this conclusion follows.
Conclusion III: Some symbols are bright is a possibility – From the above diagram, it can be seen that there is no definite relation between symbols and bright. So, the possibility is possible. Therefore, this conclusion follows.

So, from the above, it can be said that all conclusions I, II, and III follow. Hence, the **third option** is correct.

Q. 105

Directions: In the following question, two statements are given followed by two conclusions I and II. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

All pens are pencils.

No pencil is an eraser.

Conclusions:

I. No eraser is a pen.

II. No pen is an eraser.

Option 1:

Only conclusion I follows

Option 2:

Only conclusion II follows

Option 3:

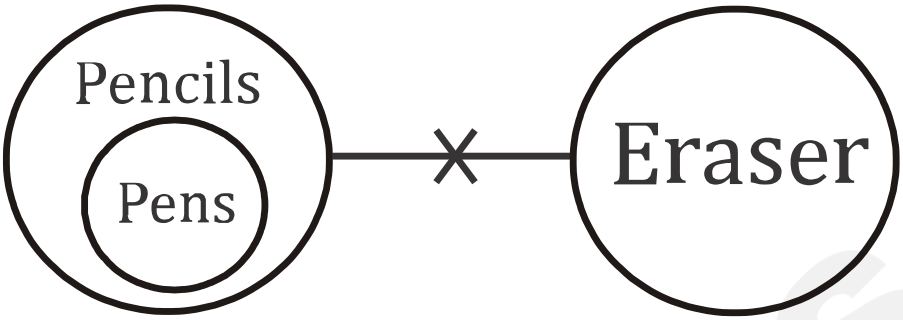
Both conclusions I and II follow

Option 4:

Neither conclusion I nor conclusion II follows

Correct Answer:
Both conclusions I and II follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): No eraser is a pen – From the Venn diagram and the given statements, it is evident that all the pens are pencils and no pencil is an eraser. So, from this, it can be concluded that no eraser is a pen. Therefore, this conclusion follows.
Conclusion (II): No pen is an eraser – From the Venn diagram and the given statements, it is evident that all the pens are pencils and no pencil is an eraser. So, from this, it can be concluded that no pen is an eraser. Therefore, this conclusion follows.

So, both conclusions follow. Hence, the **third option** is correct.

Q. 106 **Directions:** In the following question, three statements are given followed by three conclusions I, II and III. You have to consider the three statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

Some hills are rivers.

Some rivers are deserts.

All deserts are roads.

Conclusions:

I. Some roads are rivers.

II. Some roads are hills.

III. Some deserts are hills.

Option 1:
Only conclusion I follows

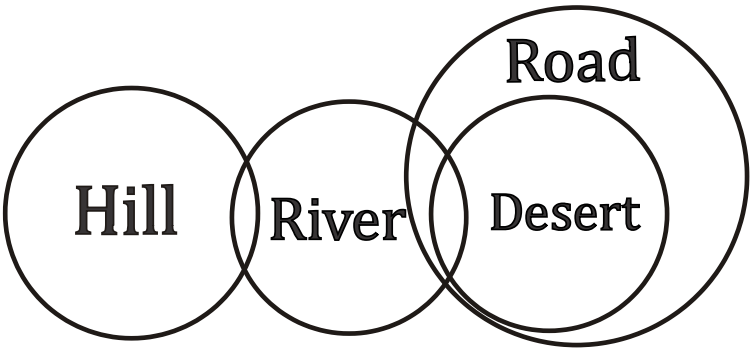
Option 2:
Only conclusions I and II follow

Option 3:
Only conclusions II and III follow

Option 4:
None follows

Correct Answer:
Only conclusion I follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some roads are rivers **–** From the diagram, it is evident that the circles representing roads and rivers overlap and have a part of their areas in common. So, from this, it can be concluded that some roads are rivers. Thus, this conclusion follows.
Conclusion (II): Some roads are hills **–** From, the Venn diagram, it is evident that there is no direct relation between roads and hills. So, no definite relation can be drawn. Therefore, this conclusion doesn't follow.
Conclusion (III): Some deserts are hills **–** From, the Venn diagram, it is evident that there is no direct relation between deserts and hills. So, no definite relation can be drawn. Therefore, this conclusion doesn't follow.

So, only the conclusion I follows. Hence, the **first option** is correct.

Q. 107

Directions: In the following question, two statements are given followed by two conclusions I and II. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

All crows are birds.

All peacocks are crows.

Conclusions:

I. All peacocks are birds.

II. All birds are peacocks.

Option 1:
Both I and II follow

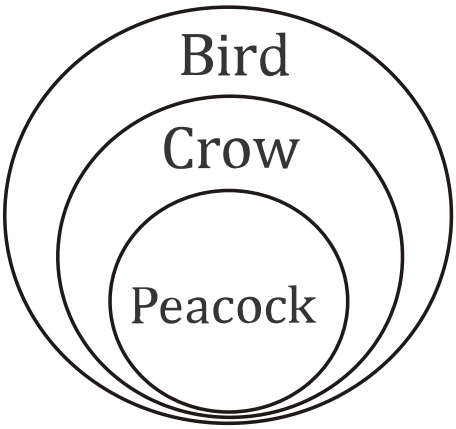
Option 2:
Neither I nor II follows

Option 3:
Only I follows

Option 4:
Only II follows

Correct Answer:
Only I follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All peacocks are birds – From the Venn diagram, it is evident that the circle representing peacocks completely lies inside the circle representing birds. So, from this, it can be concluded that all peacocks are birds. Therefore, this conclusion follows.
Conclusion (II): All birds are peacocks – From the Venn diagram, it is evident that some parts of the circle representing birds lie outside the circle representing peacocks while some lie inside. So, from this, it can be concluded that some birds are peacocks. Therefore, this conclusion does not follow.

So, the only conclusion I follows. Hence, the **third option** is correct.

Q. 108

Directions: In the following question, two statements are given followed by two conclusions I and II. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

Some scales are pencils.

Some erasers are pencils.

Conclusions:

I. Some pencils are erasers.

II. Some pencils are scales.

Option 1:
Only I follows

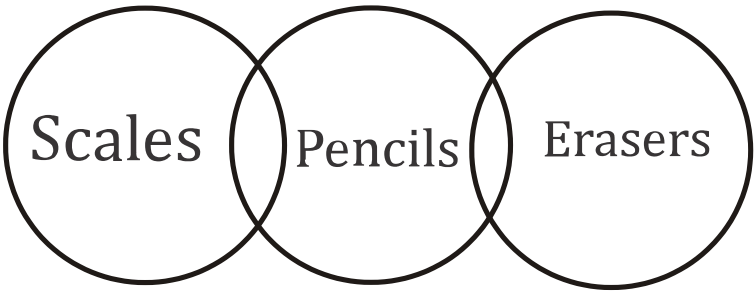
Option 2:
Only II follows

Option 3:
Both I and II follow

Option 4:
Neither I nor II follows

Correct Answer:
Both I and II follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some pencils are erasers – From the Venn diagram, it is evident that the circles representing pencils and erasers overlap each other and have a part of their areas in common. So, from this, it can be concluded that some pencils are erasers. Thus, this conclusion follows.
Conclusion (II): Some pencils are scales – From the Venn diagram, it is evident that the circles representing pencils and scales overlap each other and have a part of their areas in common. So, from this, it can be concluded that some pencils are scales. Thus, this conclusion follows.

So, both conclusions follow. Hence, the **third option** is correct.

Q. 109

Directions: Three Statements are given followed by Three conclusions numbered I, II and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All curtains are doormats.

Some doormats are pillows.

Some pillows are bedsheets.

Conclusions:

I. Some bedsheets are doormats.

II. Some bedsheets are curtains.

III. Some pillows are doormats.

Option 1:

Only conclusion III follows

Option 2:

Only conclusion I follows

Option 3:

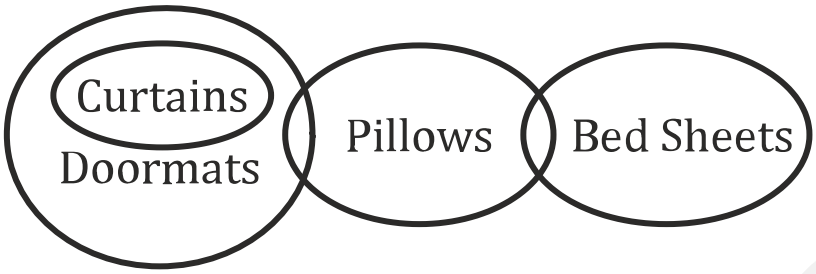
Only conclusion II follows

Option 4:

All conclusions follow

Correct Answer:
Only conclusion III follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some bedsheets are doormats – From the above diagram, it can be seen that there is no direct relation between bedsheets and doormats. Therefore, this conclusion is false.
Conclusion II: Some bedsheets are curtains – From the above diagram, it can be seen that there is no direct relation between bedsheets and curtains. Therefore, this conclusion is false
Conclusion III: Some pillows are doormats – From the above diagram, it can be seen that there is a direct relation between pillows and doormats, and as mentioned in the statement some doormats are pillows, so opposites also apply. Therefore, this conclusion is true.

So, only conclusion III follows. Hence, the **first option** is correct.

Q. 110

Directions: In the following question, two statements are given followed by two or four conclusions, I, II, III, and IV. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions can be drawn from the given statements. Indicate your answer.

Statements:

All apples are oranges.

Some oranges are papayas.

Conclusions:

I. Some apples are papayas.

II. Some papayas are apples.

Option 1:

Only conclusion II follows

Option 2:

Both I and II follow

Option 3:

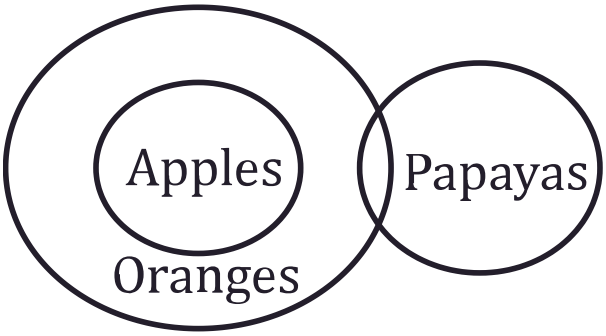
Neither I nor II follows

Option 4:

Only conclusion I follows

Correct Answer:
Neither I nor II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some apples are papayas – From the Venn diagram, it is evident that there is no direct relation between apples and papayas. So, no definite relation can be drawn. Therefore, this conclusion does not follow.
Conclusion II: Some papayas are apples – From the Venn diagram, it is evident that there is no direct relation between apples and papayas. So, no definite relation can be drawn. Therefore, this conclusion does not follow.

Therefore, neither I nor II follows. Hence, the **third option** is correct.

Q. 111

Directions: In the following question, two statements are given followed by two or four conclusions, I, II, III and IV. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions can be drawn from the given statements. Indicate your answer.

Statements:

All aeroplanes are trains.

Some trains are chairs.

Conclusions:

I. Some aeroplanes are chairs.

II. Some chairs are aeroplanes.

III. Some chairs are trains.

IV. Some trains are aeroplanes.

Option 1:

Only conclusions I and II follow

Option 2:

Only conclusions II and III follow

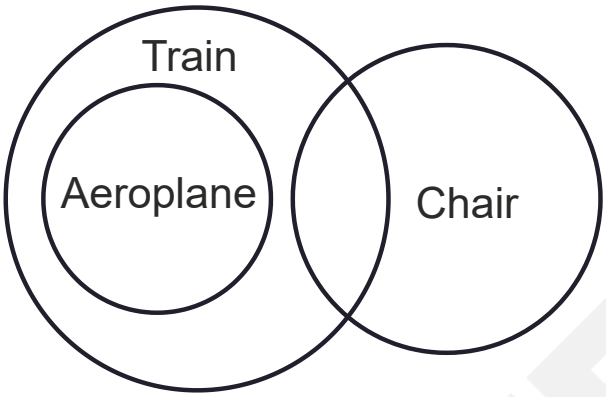
Option 3:

Only conclusions III and IV follow

Option 4:
None follows

Correct Answer:
Only conclusions III and IV follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some aeroplanes are chairs – From the Venn diagram, it is evident that there is no direct relation between aeroplanes and chairs. So, no definite relation can be drawn. Thus, this conclusion does not follow.
Conclusion (II): Some chairs are aeroplanes – From the Venn diagram, it is evident that there is no direct relation between aeroplanes and chairs. So, no definite relation can be drawn. Thus, this conclusion does not follow.
Conclusion (III): Some chairs are trains – From the Venn diagram, it is evident that two circles representing chairs and trains overlap each other and have a part of their area in common. So, from this, it can be concluded that some chairs are trains. Thus, this conclusion

follows.

Conclusion(IV): Some trains are aeroplanes – From the Venn diagram, it is evident that some parts of the circle representing the train lie inside the circle representing the aeroplane while some lie outside. So, from this, it can be concluded that some trains are aeroplanes. Thus, this conclusion follows.

So, only conclusions III and IV follow. Hence, the **third option** is correct.

Q. 112

Directions: Some statements are given followed by some conclusions. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any follow from the given statements.

Statements:

Some shops are rooms.

All rooms are kitchens.

Conclusions:

I. All shops are kitchens.

II. Some shops are kitchens.

III. Some rooms are shops.

IV. All kitchens are shops.

Option 1:

Only I and IV follow

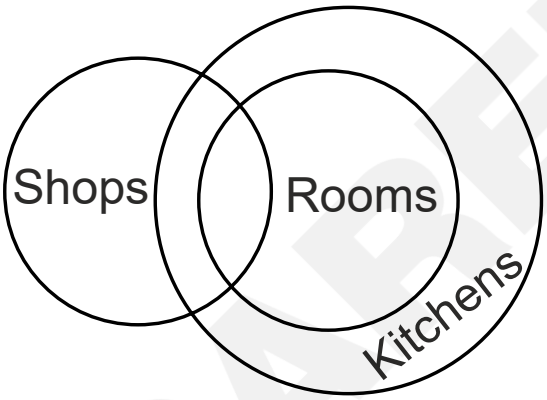
Option 2:
Only II follows

Option 3:
Only II and III follow

Option 4:
Only I follows

Correct Answer:
Only II and III follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All shops are kitchens – From the Venn diagram, it is evident that the circles representing shops and kitchens overlap and have a part of their areas in common. So, from this, it can be concluded that some shops are kitchens. Therefore, this conclusion does not follow.
Conclusion (II): Some shops are kitchens – From the Venn diagram,

it is evident that the circles representing shops and kitchens overlap and have a part of their areas in common. So, from this, it can be concluded that some shops are kitchens. Therefore, this conclusion follows.

Conclusion (III): Some rooms are shops – From the Venn diagram, it is evident that the circles representing shops and rooms overlap and have a part of their areas in common. So, from this, it can be concluded that some rooms are shops. Therefore, this conclusion follows.

Conclusion (IV): All kitchens are shops – From the Venn diagram, it is evident that the circles representing shops and kitchens overlap and have a part of their areas in common. So, from this, it can be concluded that some kitchens are shops. Therefore, this conclusion does not follow.

So, only conclusions II and III follow. Hence, the **third option** is correct.

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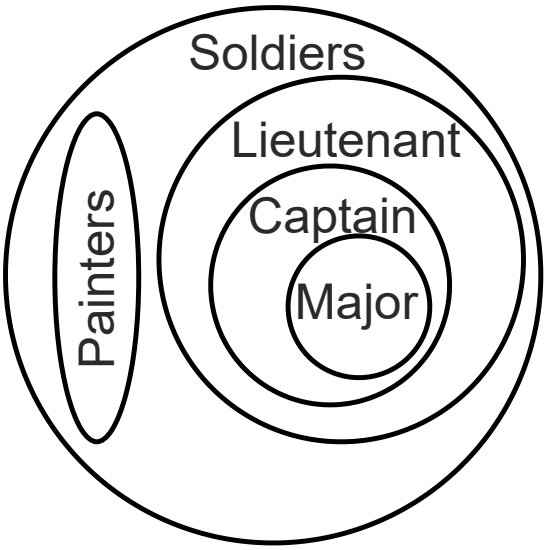
Q. 113 **Directions:** For the Venn diagram given below, which of the following conclusions is true?



I. Some captains are painters.
II. Some Lieutenants are painters.
III. All majors are soldiers.
IV. All captains are soldiers.
V. All soldiers are painters.

Option 1:
Only I and IV follow

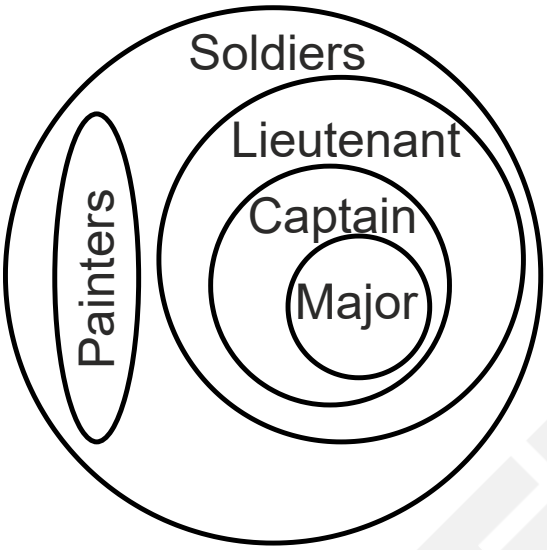
Option 2:
Only I, III, and IV follow

Option 3:
Only II, IV, and V follow

Option 4:
Only III and IV follow

Correct Answer:
Only III and IV follow

Solution:
Given:



Let's analyse the conclusions –
Conclusion (I): Some captains are painters – From the given Venn diagram, it is evident that there is no direct relation between captains and painters. So, no definite relation can be drawn. Therefore, this conclusion does not follow.
Conclusion (II): Some Lieutenants are painters – From the given Venn diagram, it is evident that there is no direct relation between lieutenants and painters. So, no definite relation can be drawn. Therefore, this conclusion does not follow.
Conclusion (III): All Majors are Soldiers – From the given Venn diagram, it is evident that the circle that represents majors lies

inside the circle that represents soldiers. From this, it can be concluded that all majors are soldiers. Thus, this conclusion follows.
Conclusion (IV): All Captains are Soldiers – From the given Venn diagram, it is evident that the circle that represents captains lies inside the circle that represents soldiers. From this, it can be concluded that all captains are soldiers. Thus, this conclusion follows.
Conclusion (V): All Soldiers are Painters – From the given Venn diagram, it is evident that some part of the circle that represents soldiers lies inside the circle that represents painters while some lie outside. From this, it can be concluded that some soldiers are painters. Thus, this conclusion does not follow.

So, only the conclusions III and IV follow. Hence, the **fourth option** is correct.

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Q. 114 **Directions:** Below some statements are given followed by some conclusions. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

Some pens are pencils.

Some pencils are erasers.

Some erasers are sharpeners.

Conclusions:

I. Some sharpeners are pens.

II. Some pencils are sharpeners.

III. Some erasers are pens.

Option 1:
None follows

Option 2:
Only II follows

Option 3:
Only III follows

Option 4:
All follow

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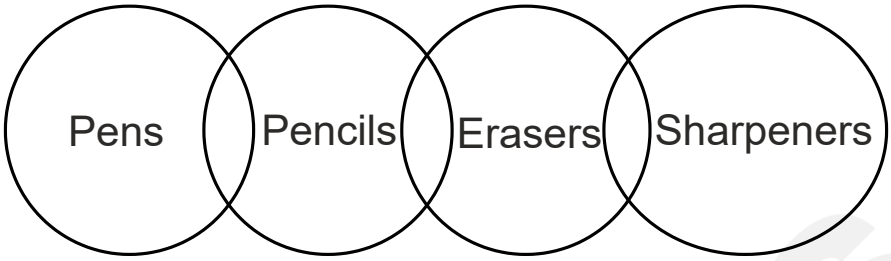
Correct Answer:
None follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some sharpeners are pens – From the Venn diagram, it is evident that there is no direct relation between sharpeners and pens. So, no definite relation can be drawn. Therefore, this conclusion doesn't follow.
Conclusion (II): Some pencils are sharpeners – From the Venn diagram, it is evident that there is no direct relation between sharpeners and pencils. So, no definite relation can be drawn. Therefore, this conclusion doesn't follow.
Conclusion (III): Some erasers are pens – From the Venn diagram, it is evident that there is no direct relation between erasers and pens. So, no definite relation can be drawn. Therefore, this conclusion doesn't follow.

So, none of the conclusions follow. Hence, the **first option** is correct.

Q. 115 **Directions:** Below some statements are given, followed by some conclusions. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any follow from the given statements.

Statements:

Some spoons are cups.

Some cups are bottles.

All bottles are mugs.

Conclusions:

I. Some mugs are cups.

II. Some cups are bottles.

III. Some spoons are mugs.

Option 1:
Either I or II and III follow

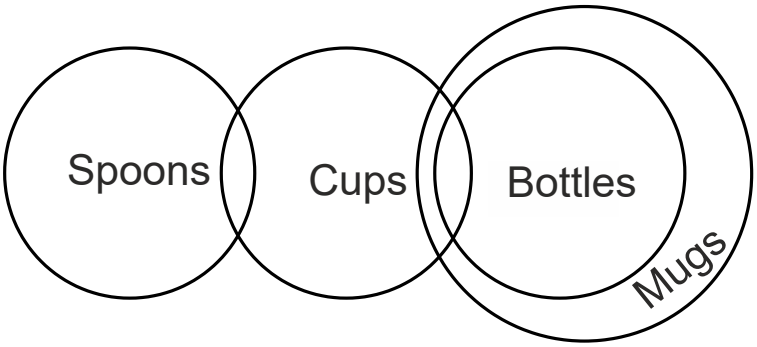
Option 2:
Only II follows

Option 3:
Only I and II follow

Option 4:
All follow

Correct Answer:
Only I and II follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some mugs are cups – From the Venn diagram, it is evident that the circles representing mugs and cups overlap and have a part of their area in common. So, from this, it can be concluded that some mugs are cups. Therefore, this conclusion follows.
Conclusion (II): Some cups are bottles – From the Venn diagram, it is evident that the circles representing cups and bottles overlap and have a part of their area in common. So, from this, it can be concluded that some cups are bottles. Therefore, this conclusion follows.
Conclusion (III): Some spoons are mugs – From the Venn diagram, it is evident that there is no direct relation between spoons and mugs. So, no definite relation can be drawn. Therefore, this conclusion doesn't follow.

So, only the conclusion I and II follow. Hence, the **third option** is correct.

Q. 116

Directions: Some statements are given followed by four conclusions numbered I, II, III, and IV. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statements:

All the teachers are actors.

Some actors are women.

Conclusions:

I. All the teachers are women.

II. Some women are teachers.

III. Some women are actors.

IV. All the actors are teachers.

Option 1:

Only Conclusion I follows

Option 2:

Only Conclusions II and IV follow

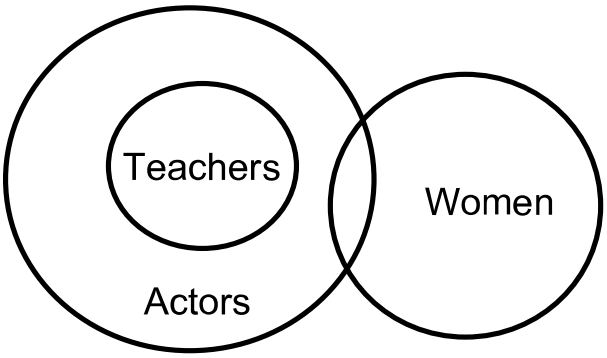
Option 3:

Only Conclusion III follows

Option 4:
None of the Conclusions follows

Correct Answer:
Only Conclusion III follows

Solution:
The possible Venn diagram according to the given statements –



Let's analyse the conclusions –
Conclusion I: All teachers are women – From the Venn diagram, it is evident that there is no direct relation between teachers and women. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.
Conclusion II: Some women are teachers – From the Venn diagram, it is evident that there is no direct relation between teachers and women. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.
Conclusion III: Some women are actors – From the given Venn diagram, it is evident that the circles representing women and actors overlap and have a part of their area in common. So, from this, it can be concluded that some women are actors. Therefore, this conclusion follows.

Conclusion IV: All actors are teachers – From the Venn diagram, it is evident that some parts of the circle representing actors lie outside the circle representing teachers while some lie inside. So, from this, it can be concluded that some actors are teachers. Therefore, this conclusion does not follow.

Therefore, the only conclusion III is true. Hence, the **third option** is correct.

Q. 117

Directions: Consider the given statements to be true and decide which of the given conclusions or assumptions can be drawn from the given statements.

Statements:

All stenographers are lazy.

Some men are stenographers.

Conclusions:

I. All lazy are men.

II. Some men are lazy.

Option 1:

Only Conclusion I follows

Option 2:

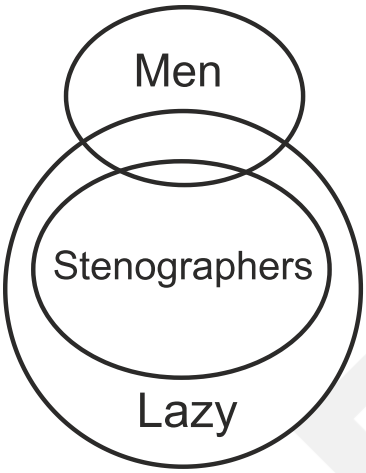
Only Conclusion II follows

Option 3:
Both Conclusion I and Conclusion II follow

Option 4:
Neither Conclusion I nor Conclusion II follows

Correct Answer:
Only Conclusion II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: All lazy are men – From the Venn diagram, it is evident that the circles representing men and lazy overlap each other and have a part of their area in common. So, from this, it can be concluded that some lazy are men. Therefore, this conclusion does not follow.
Conclusion II: Some men are lazy – From the Venn diagram, it is evident that the circles representing men and lazy overlap each

other and have a part of their area in common. So, from this, it can be concluded that some lazy are men. Therefore, this conclusion follows.

So, only Conclusion II follows. Hence, the **second option** is correct.

Q. 118

Directions: In the following question, three statements are given followed by three conclusions I, II, and III. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

All chickens are birds.

Some chickens are hens.

Female birds lay eggs.

Conclusions:

I. All birds lay eggs.

II. Some hens are birds.

III. Some chickens are not hens.

Option 1:

Conclusions II and III follow

Option 2:

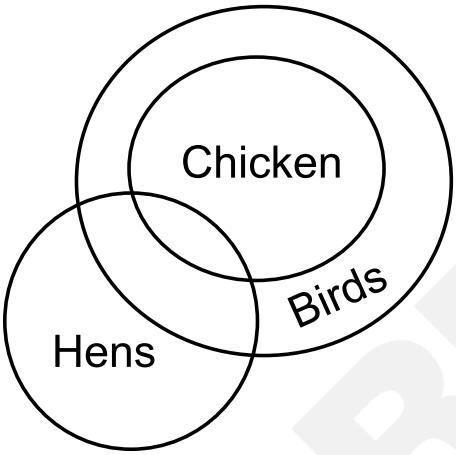
All conclusions I, II, and III follow

Option 3:
Only conclusion I follows

Option 4:
Only conclusion II follows

Correct Answer:
Only conclusion II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: All birds lay eggs – According to the given statements, it is clear that female birds lay eggs, but birds can be both male and female. So, it can be concluded that only some birds lay eggs not all. Therefore, this conclusion does not follow.
Conclusion II: Some hens are birds – From the Venn diagram, it is evident that the circles representing hens and birds overlap each other and have a part of their areas in common. So, from this, it can be concluded that some hens are birds. Thus, this conclusion

follows.

Conclusion III: Some chickens are not hens – According to the given statements, it is clear that there is a possibility that some chickens may not be hens but it is not definite. So, this conclusion does not follow.

Therefore, only conclusion II follows. Hence, the **fourth option** is correct.

Q. 119

Directions: Two statements are given followed by two conclusions. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any follow from the given statements.

Statements:

No pencil is an eraser.

All erasers are sharpeners.

Conclusions:

I. All sharpeners are pencils.

II. All sharpeners are erasers.

Option 1:

Only conclusion I follows

Option 2:

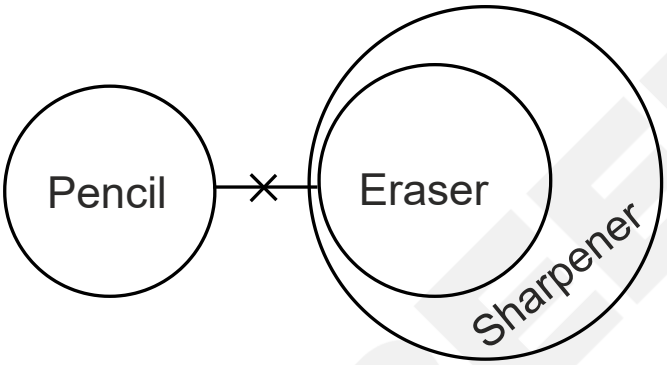
Only conclusion II follows

Option 3:
Either conclusion I or conclusion II follows

Option 4:
Neither conclusion I nor conclusion II follows

Correct Answer:
Neither conclusion I nor conclusion II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All sharpeners are pencils – From the above Venn diagram, it is evident that there is no direct relation between pencils and sharpeners. So, no definite relation can be drawn. Thus, this conclusion does not follow.
Conclusion (II): All sharpeners are erasers – From the Venn diagram, it is evident that some parts of the circle representing sharpeners lie outside the circle representing erasers while some lie inside. So, from this, it can be concluded that some sharpeners are erasers. Thus, this conclusion does not follow.

So, neither I nor II follows. Hence, the **fourth option** is correct.

Q. 120

Directions: Consider the given statement(s) to be true and decide which of the given conclusions can be drawn from the given statements.

Statements:

All books are novels.

Some novels are poems.

Conclusions:

I. Some books are poems.

II. Some poems are novels.

Option 1:
Only conclusion I follows

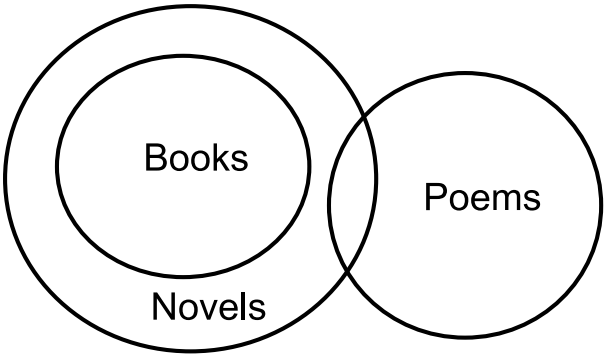
Option 2:
Only conclusion II follows

Option 3:
Neither conclusion I nor conclusion II follows

Option 4:
Both conclusions I and II follow

Correct Answer:
Only conclusion II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some books are poems – From the Venn diagram, it is evident that there is no direct relation between the books and poems. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.
Conclusion (II): Some poems are novels – From the Venn diagram, it is evident that the two circles representing poems and novels overlap each other and have a part of their area in common. So, from this, it can be concluded that some poems are novels. Therefore, this conclusion follows.

So, only conclusion II follows. Hence, the **second option** is correct.

Q. 121

Directions: Consider the given statement(s) to be true and decide which of the given conclusions and assumptions can be drawn from the given statements.

Statements:

All fish are tortoises.

No tortoise is a crocodile.

Conclusions:

I. No crocodile is a fish.

II. No fish is a crocodile.

Option 1:
Only conclusion I follows

Option 2:
Only conclusion II follows

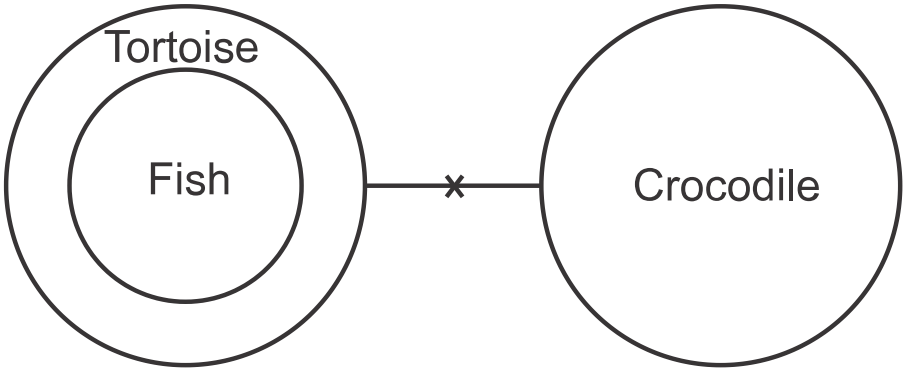
Option 3:
Both conclusions I and II follow

Option 4:
Neither conclusion I nor II follows

Correct Answer:
Both conclusions I and II follow

Solution:

The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –

Conclusion I: No crocodile is a fish – From the Venn diagram, it is evident that the circle representing fish completely lies inside the circle representing tortoise, and there is a negative relation between tortoise and crocodile. So, from this, it can be concluded that no crocodile is a fish and vice versa. Thus, this conclusion follows.

Conclusion II: No fish is a crocodile – From the Venn diagram, it is evident that the circle representing fish completely lies inside the circle representing tortoise, and there is a negative relation between tortoise and crocodile. So, from this, it can be concluded that no crocodile is a fish and vice versa. Thus, this conclusion follows.

Therefore, both conclusions I and II follow. Hence, the **third option** is correct.

Q. 122

Directions: Some statements are followed by some conclusions. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

Some leaves are apples.

No apple is an egg.

Conclusions:

I. All apples are leaves.

II. Some eggs are leaves.

III. Some leaves are not eggs.

IV. All eggs are leaves.

Option 1:
Only III follows

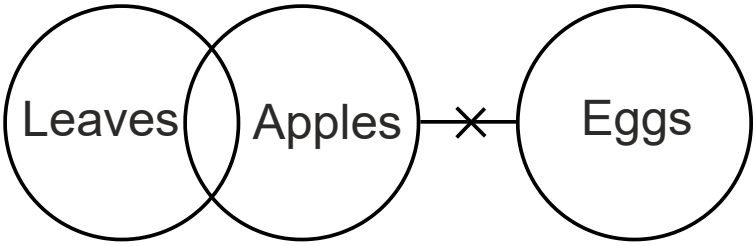
Option 2:
None follows

Option 3:
Either II or III follows

Option 4:
All follow

Correct Answer:
Only III follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All apples are leaves – From the Venn diagram, it is evident that the circles representing apples and leaves overlap each other and have a part of their areas in common. So, from this, it can be concluded that some apples are leaves. Thus, this conclusion does not follow.
Conclusion (II): Some eggs are leaves – From the Venn diagram, it is evident that there is no direct relation between eggs and leaves. So, no definite relation can be drawn. Thus, this conclusion does not follow.
Conclusion (III): Some leaves are not eggs – From the Venn diagram, it is evident that no apple is an egg and the part of leaves that is overlapped by the circle that represents apple cannot be an egg. So, from this, it can be concluded that some leaves are not eggs. Thus, this conclusion follows.
Conclusion (IV): All eggs are leaves – From the Venn diagram, it is

evident that there is no direct relation between eggs and leaves. So, no definite relation can be drawn. Thus, this conclusion does not follow.

So, only conclusion III follows. Hence, the **first option** is correct.

Q. 123

Directions: In the following question, two statements are given followed by two conclusions I and II. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

All men are employees.

No employees are professionals.

Conclusions:

I. No men are employees.

II. No men are professionals.

Option 1:
Only I follows

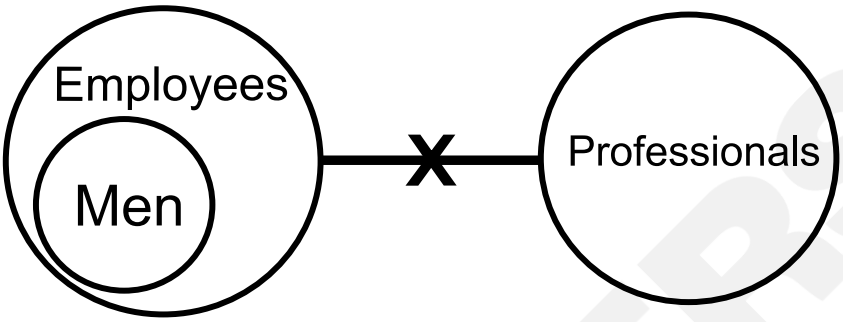
Option 2:
Only II follows

Option 3:
Neither I nor II follows

Option 4:
Both I and II follow

Correct Answer:
Only II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: No men are employees – Based on the given statements, it is given that all men are employees. So, this conclusion does not follow.
Conclusion II: No men are professionals – Based on the given statements, it is given that all men are employees and no employees are professionals. From this, it can be inferred that no men are professionals. So, this conclusion follows.

Therefore, only conclusion II follows. Hence, the **second option** is correct.

Q. 124

Directions: In the following question, two statements are given and four conclusions I, II, III, and IV. You have to consider the two statements true even if they seem at variance from commonly known facts. You have to decide which conclusions, if any, follow from the given statements.

Statements:

Anand is an artist.

Artists are beautiful.

Conclusions:

1. All beautiful people are artists.
2. Anand is beautiful.
3. Anand is not beautiful.
4. Beautiful people are not artists.

Option 1:
Only conclusion I follows

Option 2:
Only conclusion II follows

Option 3:
Only conclusion III follows

Option 4:
Only conclusion IV follows

Correct Answer:
Only conclusion II follows

Solution:
Based on the given statements, let's analyse the conclusions –
Conclusion I: All beautiful people are artists – Based on the given statements, it is clear that artists are beautiful. But it does not mean that all beautiful people are also artists. So, this conclusion does not follow.
Conclusion II: Anand is beautiful – Based on the given statements, artists are beautiful, and Anand is an artist, which implies that Anand is beautiful. So, this conclusion follows.
Conclusion III: Anand is not beautiful – Based on the given statements, artists are beautiful, and Anand is an artist, which implies that Anand is beautiful. So, this conclusion does not follow.
Conclusion IV: Beautiful people are not artists – Based on the given statements, it is clear that artists are beautiful. But it does not conclude that beautiful people are not artists. So, this conclusion does not follow.

Therefore, only conclusion II follows. Hence, the **second option** is correct.

Q. 125

Directions: In the following question, three statements are given followed by four conclusions, I, II, III, and IV. You have to consider the statements to be true even if they seem to be at variance from the commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

All clerks are superintendents.

All superintendents are managers.

All managers are supervisors.

Conclusions:

I. All supervisors are clerks.

II. Some clerks are supervisors.

III. Some managers are clerks.

IV. All superintendents are clerks.

Option 1:

Only conclusions I and II follow

Option 2:

Only conclusions II and III follow

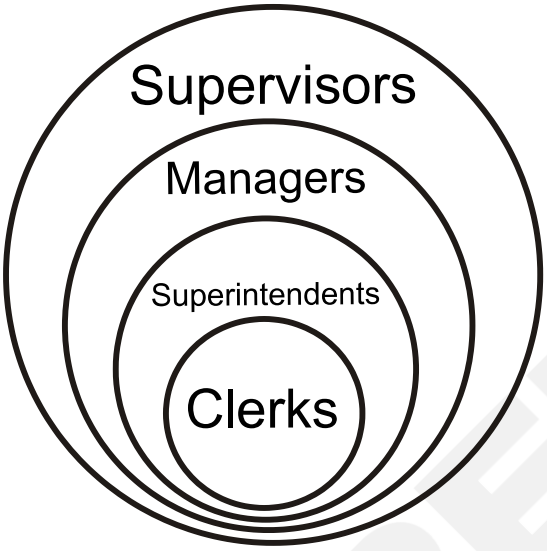
Option 3:

Only conclusions III and IV follow

Option 4:
Only conclusions IV and I follow

Correct Answer:
Only conclusions II and III follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: All supervisors are clerks – From the Venn diagram, it is evident that some parts of the circle representing supervisors lie outside the circle representing clerks while some lie inside. So, from this, it can be concluded that some supervisors are clerks. Therefore, this conclusion does not follow.
Conclusion II: Some clerks are supervisors – From the Venn diagram, it is evident that the circle representing clerks completely lies inside the circle representing supervisors. So, from this, it can be concluded that all clerks are supervisors. Thus, if all clerks are

supervisors, then some clerks will definitely be supervisors. So, this conclusion follows.

Conclusion III: Some managers are clerks – From the Venn diagram, it is evident that some parts of the circle representing managers lie outside the circle representing clerks while some lie inside. So, from this, it can be concluded that some managers are clerks. Therefore, this conclusion follows.

Conclusion IV: All superintendents are clerks – From the Venn diagram, it is evident that some parts of the circle representing superintendents lie outside the circle representing clerks while some lie inside. So, from this, it can be concluded that some superintendents are clerks. Therefore, this conclusion does not follow.

Therefore, only conclusions II and III follow. Hence, the **second option** is correct.

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Q. 126

Directions: In the following question, two statements are given followed by two conclusions I and II. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

All Americans are English speakers.

No English speakers are Eskimos.

Conclusions:

I. No Eskimos are Americans.

II. No Eskimos are English speakers.

Option 1:
Only I follows

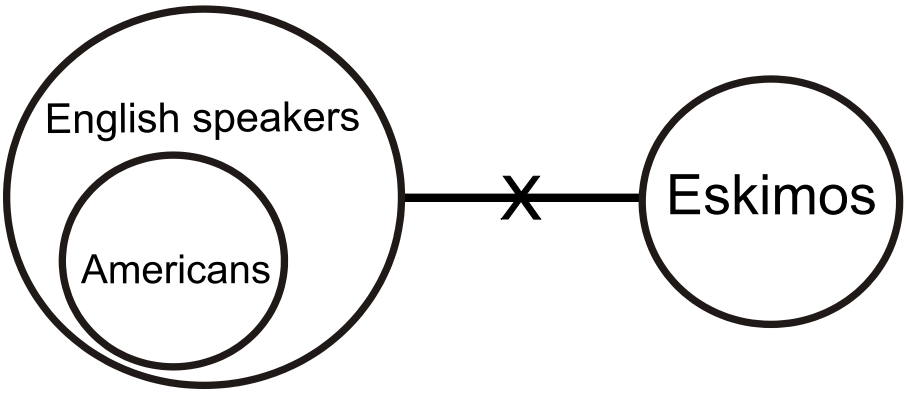
Option 2:
Neither I nor II follows

Option 3:
Only II follows

Option 4:
Both I and II follow

Correct Answer:
Both I and II follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: No Eskimos are Americans – Based on the given statements, it is given that all Americans are English speakers and no English speakers are Eskimos. From this, it can be inferred that no Eskimos are Americans. So, this conclusion follows.
Conclusion II: No Eskimos are English speakers – Based on the given statements, it is given that no English speakers are Eskimos. So, this conclusion follows.

Therefore, both conclusions follow. Hence, the **fourth option** is correct.

Q. 127 **Directions:** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All blue are dogs.

No dog is silver.

All pink are dogs.

Conclusions:

(I) Some pink are silver.

(II) No blue is pink is a possibility.

(III) Some blue are silver.

Option 1:
Both conclusions II and III follow

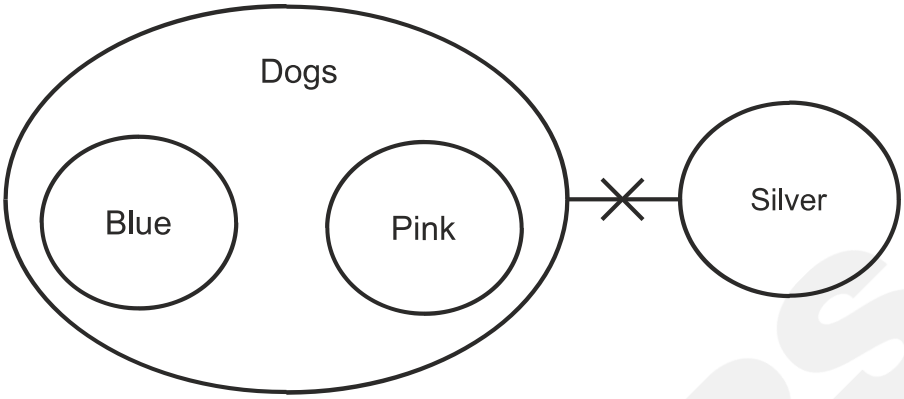
Option 2:
Only conclusion III follows

Option 3:
Only conclusion II follows

Option 4:
Both conclusions I and II follow

Correct Answer:
Only conclusion II follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some pink are silver – From the given statements, no dog is silver, and all pink are dogs. Therefore, no pink is silver. So, this conclusion doesn't follow.
Conclusion (II): No blue is pink is a possibility – Since all blue are dogs and all pink are dogs, there is no relation between blue and pink. So, there is a possibility that some blue is pink and some are not. So, this conclusion follows.
Conclusion (III): Some blue are silver – From the given statements, all blue are dogs, and no dog is silver. Therefore, no blue is silver. So, this conclusion doesn't follow.

So, only conclusion II follows. Hence, the **third option** is correct.

Q. 128

Directions: Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements:

All summers are hot.

Some hot is water.

No water is ice.

Conclusions:

(I) Some hot is summer.

(II) No ice is water.

Option 1:

Only conclusion (II) follows

Option 2:

Neither conclusion (I) nor (II) follows

Option 3:

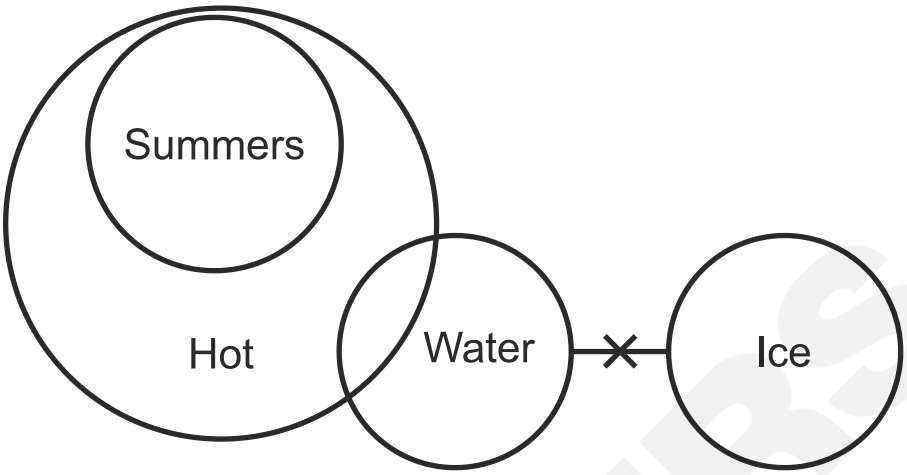
Only conclusion (I) follows

Option 4:

Both conclusions (I) and (II) follow

Correct Answer:
Both conclusions (I) and (II) follow

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyze the conclusions –
Conclusion (I): Some hot is summer – From the diagram, it is clear that some parts of the circle representing hot lie outside the circle representing summer while some lie inside. So, some hot is summer. Therefore, this conclusion follows.
Conclusion (II): No ice is water – From the diagram, it is clear that there is a negative relation between water and ice. So, no ice is water is correct. Therefore, this conclusion follows.

So, both conclusions (I) and (II) follow. Hence, the **fourth option** is correct.

Q. 129

Directions: Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

I. Some Hats are Caps.

II. Some Hats are Turbans.

III. All Caps are Monkeys.

Conclusions:

I. Some Turbans are Caps.

II. All Hats are Monkeys.

Option 1:
Neither I nor II follows

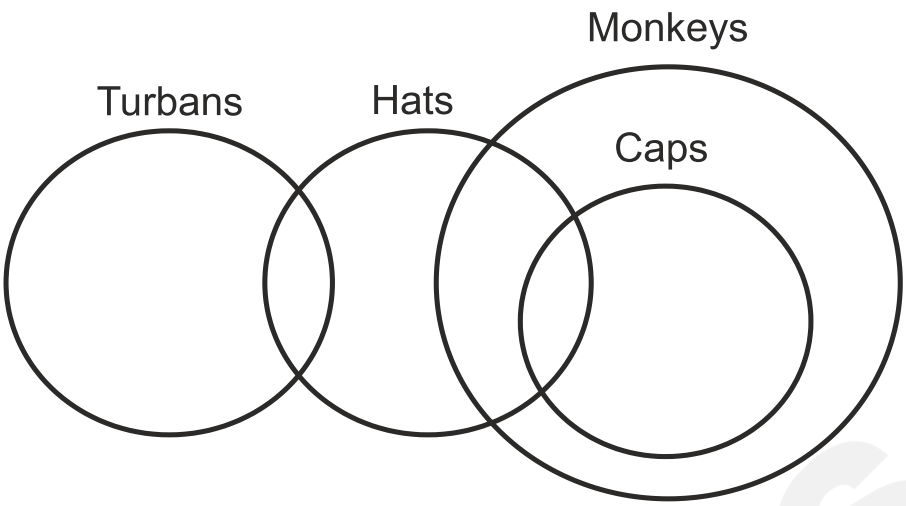
Option 2:
Only conclusion I follows

Option 3:
Only conclusion II follows

Option 4:
Both conclusions I and II follow

Correct Answer:
Neither I nor II follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some Turbans are Caps – According to the Venn diagram, there is no definite relation between turbans and caps. So, some turbans are caps is not true. So, this conclusion does not follow.
Conclusion II: All Hats are Monkeys – According to the Venn diagram, it is clear that the circles that represent hats and monkeys intersect and have some common area between them. So, all hats are monkeys is not true. So, this conclusion does not follow.

So, neither I nor II follows. Hence, the **first option** is correct.

Q. 130

Directions: Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All seeds are pots.

Some leaves are flowers.

No flower is a seed.

Conclusions:

(I) Some seeds are leaves.

(II) No pot is a flower.

Option 1:

Both conclusions (I) and (II) follow

Option 2:

Neither conclusion (I) nor (II) follows

Option 3:

Only conclusion (II) follows

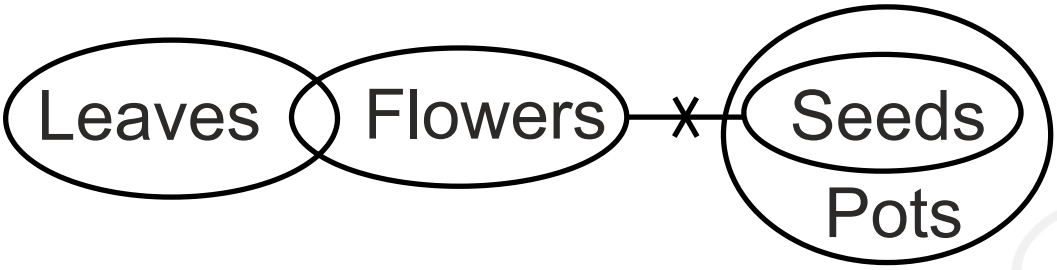
Option 4:

Only conclusion (I) follows

Correct Answer:

Neither conclusion (I) nor (II) follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some seeds are leaves – According to the Venn diagram, there is no direct relation between leaves and seeds. So, this conclusion does not follow.
Conclusion (II): No pots are flowers – According to the Venn diagram, there is no direct relation between pots and flowers. So, this conclusion does not follow.

So, neither conclusion (I) nor (II) follows. Hence, the **second option** is correct.

Q. 131

Directions: Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements:

Some tables are caps.

All caps are bikes.

All bikes are pins.

Conclusion (I): Some pins are tables.

Conclusion (II): Some caps are not pins.

Option 1:

Only conclusion (II) is true

Option 2:

Only conclusion (I) is true

Option 3:

Neither conclusion (I) nor (II) is true

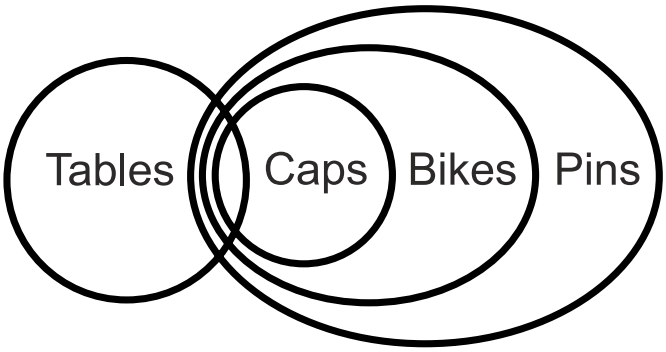
Option 4:

Both conclusions (I) and (II) are true

Correct Answer:

Only conclusion (I) is true

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some pins are tables – According to the Venn diagram, the circle of pins and tables intersect and have some common area between them. Therefore, some pins are tables, which is a true conclusion.
Conclusion (II): Some caps are not pins – According to the Venn diagram there is no negative relation between caps and pins. So, this conclusion is not correct.

So, the only conclusion I is true. Hence, the **second option** is correct.

Q. 132

Directions: Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some mangoes are oranges.

Some kiwis are guavas.

All oranges are kiwis.

Conclusions:

(I) Some kiwis are mangoes.

(II) Some guavas are oranges.

Option 1:

Only conclusion (I) follows

Option 2:

Neither conclusion (I) nor (II) follows

Option 3:

Only conclusion (II) follows

Option 4:

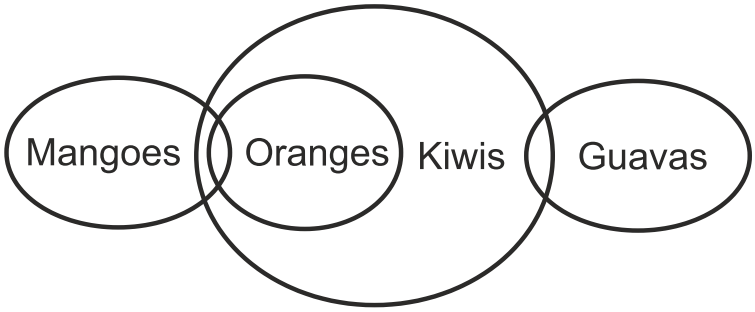
Both conclusions (I) and (II) follow

Correct Answer:

Only conclusion (I) follows

Solution:

The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –

Conclusion (I): Some kiwis are mangoes – From the diagram, it is evident that the circles representing mangoes and kiwis overlap and have a part of their areas in common. So, it can be concluded that some kiwis are mangoes.

Conclusion (II): Some guavas are oranges – From the Venn diagram, it is evident that there is no direct relation between oranges and guavas. Thus, no definite relation can be drawn. So, this conclusion does not follow.

So, the only conclusion I follows. Hence, the **first option** is correct.

Q. 133 **Directions:** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some hockey are bats.

All bats are racquets.

No stick is a racquet.

Conclusions:

I. Some sticks are bats.

II. Some sticks are hockey is a possibility.

III. All hockey are racquets.

Option 1:
Only conclusion II follows

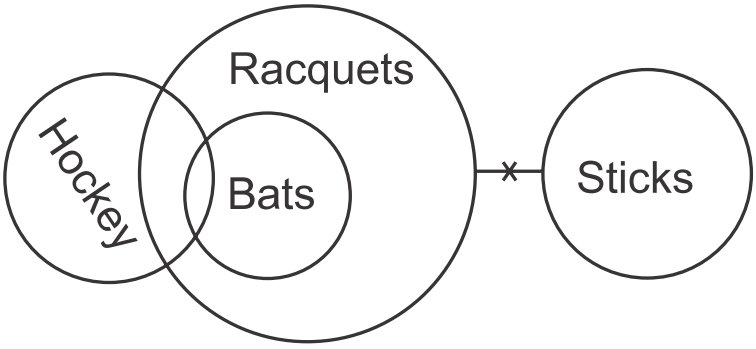
Option 2:
Both conclusions I and II follow

Option 3:
Both conclusions II and III follow

Option 4:
Only conclusion I follows

Correct Answer:
Only conclusion II follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some sticks are bats – From the Venn diagram, it is evident that there is a negative relation between sticks and bats. So, it can be concluded that no sticks are bats.
Conclusion (II): Some sticks are hockey is a possibility – It is a possibility that the circle representing hockey overlaps the circle representing sticks. So, this conclusion follows.
Conclusion (III): All hockey are racquets – From the Venn diagram, it is evident that only some part of the circle representing hockey is overlapped by the circle representing racquets. So, it can be concluded that only some hockey are racquets.

From the above, the only conclusion II follows. Hence the **first option** is correct.

Q. 134

Directions: Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

Some dietitians are surgeons.

All surgeons are therapists.

No therapist is a physician.

Conclusion:

(I) Some therapists are dietitians.

(II) No dietitian is a physician.

Option 1:

Only conclusion I follows

Option 2:

Only conclusion II follows

Option 3:

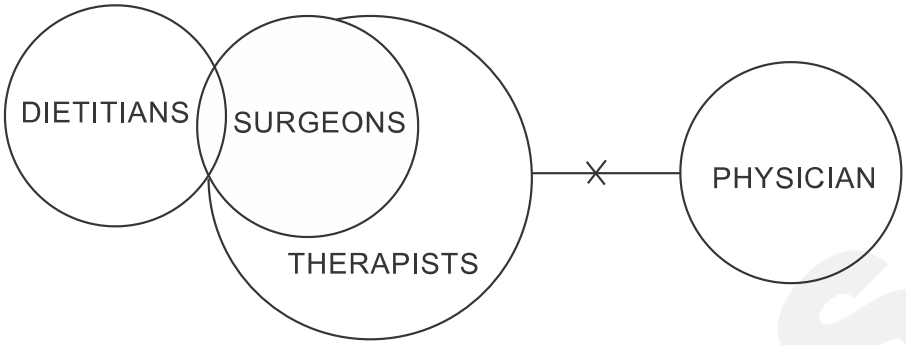
Both conclusions I and II follow

Option 4:

Neither conclusion I nor II follows

Correct Answer:
Only conclusion I follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some therapists are dietitians – From the Venn diagram, it is evident that the two circles representing therapists and dietitians overlap and have a part of their area in common. So, this conclusion follows.
Conclusion (II): No dietitian is a physician – From the Venn diagram, it is evident that there is no direct relation between dietitians and physicians. Thus, no definite relation can be drawn. So, this conclusion does not follow.

From the above, the only conclusion I follows. Hence, the **first option** is correct.

Q. 135

Directions: Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements:

All movies are bottles.

Some bottles are steel.

All steel is cupboards.

Conclusions:

I. Some movies are bottles.

II. Some cupboards are steel.

Option 1:

Only conclusion (II) follows

Option 2:

Neither conclusion (I) nor (II) follows

Option 3:

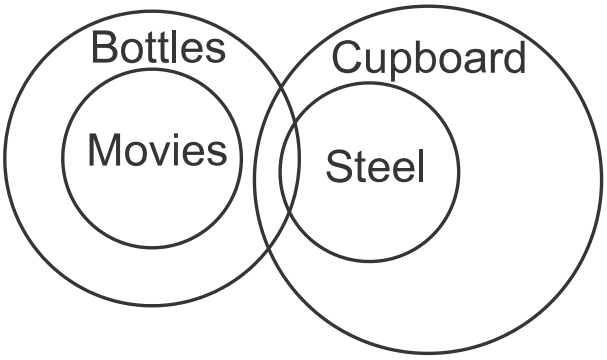
Only conclusion (I) follows

Option 4:

Both conclusions (I) and (II) follow

Correct Answer:
Both conclusions (I) and (II) follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some movies are bottles – From the Venn diagram, it is evident that the circle representing movies lies inside the circle representing bottles. Since all movies are bottles, some movies will definitely be bottles. Therefore, this conclusion follows.
Conclusion II: Some cupboards are steel – From the Venn diagram, it is evident that some parts of the circle representing the cupboard lie inside the circle representing steel. So, it can be concluded that some cupboards are steel.

From the above, both conclusions I and II follow. Hence, the **fourth option** is correct.

Q. 136 **Directions:** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow[s] from the statements.

Statements:

Some stars are buttons.

No buttons are clips.

All buttons are ribbons.

Conclusions:

I. Some stars are ribbons.

II. Some ribbons are buttons.

Option 1:
Both conclusions (I) and (II) follow

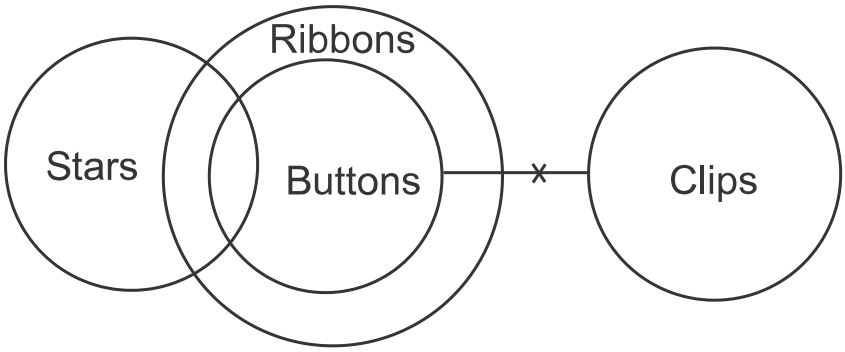
Option 2:
Only conclusion (I) follows

Option 3:
Neither conclusion (I) nor (II) follows

Option 4:
Only conclusion (II) follows

Correct Answer:
Both conclusions (I) and (II) follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some stars are ribbons – From the Venn diagram, it is evident that the two circles representing stars and ribbons overlap and have a part of their area in common. So, it can be concluded that some stars are ribbons.
Conclusion II: Some ribbons are buttons – From the Venn diagram, it is evident that some parts of the circle representing ribbons lie inside the circle representing buttons. So, it can be concluded that some ribbons are buttons.

So, both conclusions I and II follow. Hence, the **first option** is correct.

Q. 137

Directions: Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

I. Some buses are motorbikes.

II. All motorbikes are vans.

III. All buses are cars.

Conclusions:

I. Some cars are vans.

II. Some vans are buses.

III. Some vans are motorbikes.

Option 1:
Only conclusion II follows

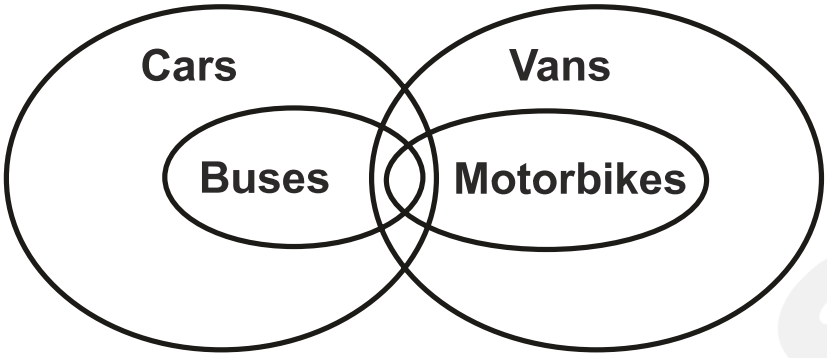
Option 2:
All conclusions I, II and III follow

Option 3:
Only conclusion I follows

Option 4:
Both conclusions I and II follow

Correct Answer:
All conclusions I, II and III follow

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some cars are vans – From the Venn diagram, we can see that the two circles representing cars and vans intersect and have a common area between them. So, this conclusion follows.
Conclusion (II): Some vans are buses – From the Venn diagram, we can see that the two circles representing vans and buses intersect and have a common area between them. So, this conclusion follows.
Conclusion (III): Some vans are motorbikes – From the Venn diagram, we can see that the circle representing motorbikes is completely inside the circle representing vans. So, some vans are motorbikes is a true conclusion.

So, all conclusions I, II, and III follow. Hence, the **second option** is correct.

Q. 138

Directions: Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically and definitely follow/s from the given statements.

Statements:

|. Some Salts are Baths.

||. All Tubs are Drums.

|||. Some Baths are Tubs.

Conclusions:

I. Some Salts are Tubs.

||. Some Drums are Baths.

Option 1:
Both conclusions I and II follow

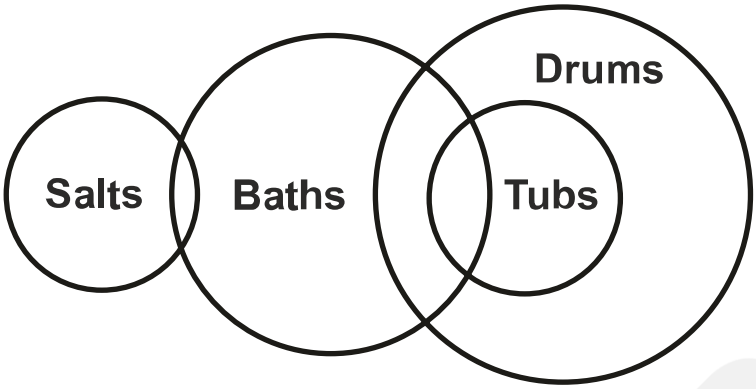
Option 2:
Both conclusions I and II do not follow

Option 3:
Only conclusion I follows

Option 4:
Only conclusion II follows

Correct Answer:
Only conclusion II follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some Salts are Tubs – According to the Venn diagram, there is no direct relation between salt and tubs. Therefore, this conclusion is false.
Conclusion II: Some Drums are Baths – According to the Venn diagram, the circle of drums and baths intersect and have a common area between them. Therefore, this conclusion is true.

So, the only conclusion II follows. Hence, the **fourth option** is correct.

Q. 139

Directions: Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

I. All forests are deserts.

II. Some deserts are valleys.

III. All valleys are hills.

Conclusions:

I. No hill is a forest.

II. Some deserts are hills.

Option 1:
Only conclusion II follows

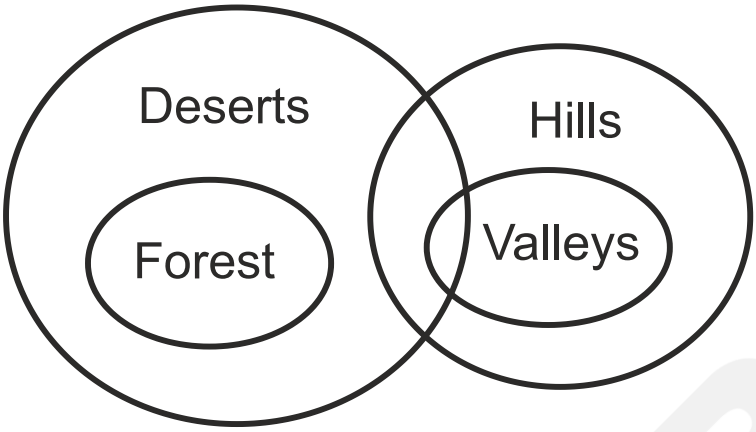
Option 2:
Neither conclusion I nor II follows

Option 3:
Only conclusion I follows

Option 4:
Both conclusions I and II follow

Correct Answer:
Only conclusion II follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: No Hill is a Forest – According to the Venn diagram, there is no direct relation between hills and forests, it is a possibility but is not definite. So this conclusion is false.
Conclusion II: Some Deserts are Hills – According to the Venn diagram, the circle of desert and hill intersect and have some common area between them. Therefore, some deserts are hills is a true conclusion.

So, the only conclusion II follows. Hence, the **first option** is correct.

Q. 140

Directions: Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

I. Some tables are green.

II. All green is lawn.

III. All lawns are soft.

Conclusions:

I. All the tables are green.

II. Some green is lawn.

Option 1:
Neither conclusion (I) nor (II) follows

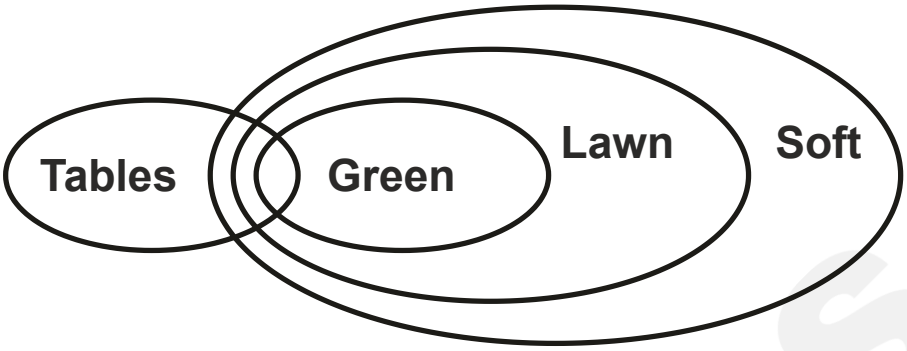
Option 2:
Only conclusion (II) follows

Option 3:
Only conclusion (I) follows

Option 4:
Both conclusions (I) and (II) follow

Correct Answer:
Only conclusion (II) follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All tables are green – From the Venn diagram, we can see that the circle representing the table is not completely inside the circle that represents green. So, this conclusion does not follow.
Conclusion (II): Some green is lawn – From the Venn diagram, we can see that the circle representing green is completely inside the circle representing lawn which implies that all green is the lawn. Therefore, some green lawns are also true. So, this conclusion follows.

So, the only conclusion II follows. Hence, the **second option** is correct.

Q. 141

Directions: Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements:

I. All rubbers are folders.

II. Some folders are computers.

III. All computers are envelopes.

Conclusions:

I. All folders are rubbers.

II. Some computers are folders.

Option 1:
Neither conclusion (I) nor (II) follows

Option 2:
Only conclusion (II) follows

Option 3:
Only conclusion (I) follows

Option 4:
Both conclusions (I) and (II) follow

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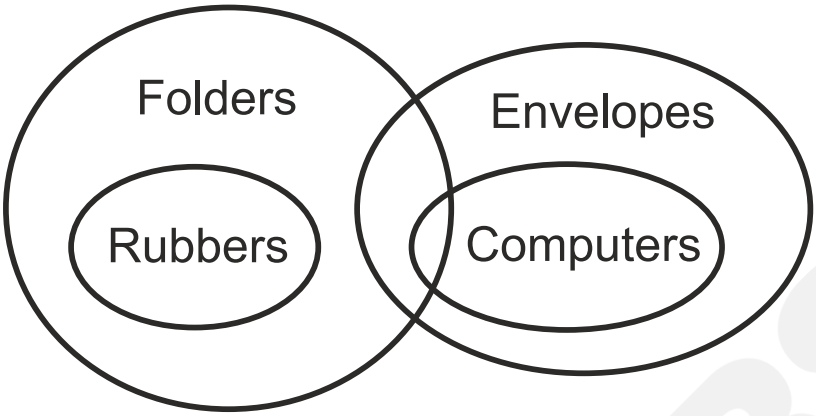
Correct Answer:
Only conclusion (II) follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All folders are rubbers – From the Venn diagram, it is evident that some parts of the circle representing folders lie outside the circle representing rubbers while some lie inside. Therefore, some folders are rubbers is true, but all folders are rubbers is a false conclusion.
Conclusion (II): Some computers are folders – From the Venn diagram, we can see that the two circles representing folders and computers intersect and have some common area between them. So, this conclusion follows.

So, the only conclusion II follows. Hence, the **second option** is correct.

Q. 142 **Directions:** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the conclusions logically and definitely follows from the given statements.

Statements:

I. All Eagles are Predators.

II. All Tigers are Predators.

III. Some Tigers are Cats.

Conclusions:

I. All Cats are Predators.

II. All Eagles are Tigers.

Option 1:
Both conclusions (I) and (II) do not follow

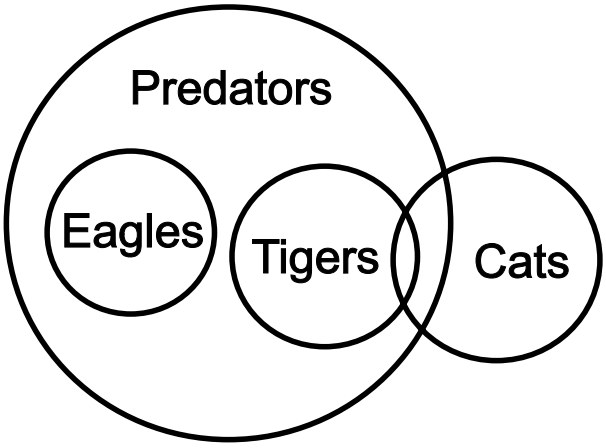
Option 2:
Only conclusion (I) follows

Option 3:
Only conclusion (II) follows

Option 4:
Both conclusions (I) and (II) follow

Correct Answer:
Both conclusions (I) and (II) do not follow

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: All Cats are Predators – It is a possibility that a circle representing cats comes under the circle representing predators. But, this is not definite. So, this conclusion does not follow.
Conclusion II: All Eagles are Tigers – There is no direct relation between eagles and tigers. So, this conclusion does not follow.

So, both conclusions (I) and (II) do not follow. Hence, the **first option** is correct.

Q. 143

Directions: Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow from the given statements.

Statements:

I. Some clowns are scary.

II. All scary are ghosts.

III. Some ghosts are friendly.

Conclusions:

I. All ghosts are friendly

II. All clowns are ghosts.

Option 1:
Only conclusion (I) follows

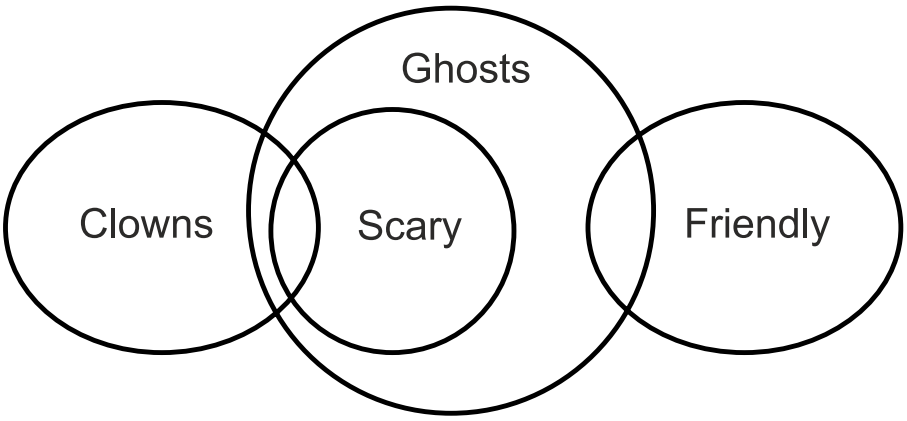
Option 2:
Neither conclusion (I) nor (II) follows

Option 3:
Only conclusion (II) follows

Option 4:
Both conclusions (I) and (II) follow

Correct Answer:
Neither conclusion (I) nor (II) follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: All ghosts are friendly – From the Venn diagram, we can see that the circle representing ghosts intersect the circle representing friendly and have some common area between them. Therefore some ghosts are friendly is true, but all ghosts are friendly is a false conclusion.
Conclusion II: All clowns are ghosts – From the Venn diagram, we can see that the circle representing the clown intersects the circle representing ghosts and has some common area between them. Therefore some clowns are ghosts is true, but all clowns are ghosts is a false conclusion.

So, neither conclusion (I) nor (II) follow. Hence the **second option** is correct.

Q. 144

Directions: Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow from the given statements.

Statements:

I. All papers are scissors.

II. Some scissors are books.

III. All books are animals.

Conclusions:

I. Some animals are books

II. Some scissors are paper.

Option 1:
Only conclusion (II) follows

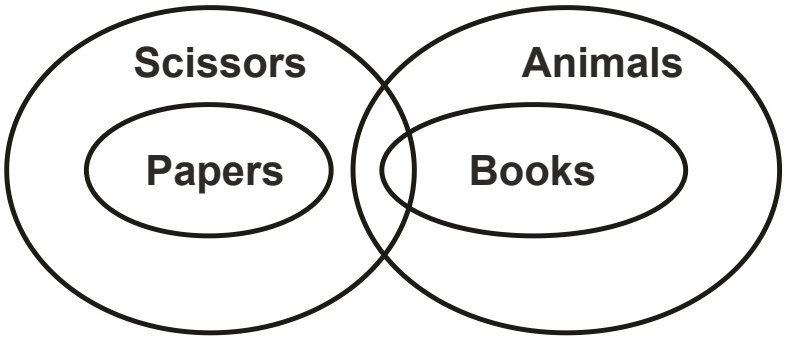
Option 2:
Only conclusion (I) follows

Option 3:
Both conclusions (I) and (II) follow

Option 4:
Neither conclusion (I) nor (II) follows

Correct Answer:
Both conclusions (I) and (II) follow

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some animals are books – From the Venn diagram, we can see that the circle representing books is completely inside the circle representing animals. So, this conclusion follows.
Conclusion (II): Some scissors are paper – From the Venn diagram, we can see that the circle representing paper is completely inside the circle representing scissors. So, this conclusion follows.

So, both conclusions I and II follow. Hence the **third option** is correct.

Q. 145 **Directions:** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically and definitely follow/s from the given statements.

Statements:

I. All Fingers are Hands.

II. Some Hands are Seconds.

III. All Seconds are Clocks.

Conclusions:

I. Some Clocks are Hands.

II. Some Fingers are Clocks.

Option 1:
Both conclusions (I) and (II) follow

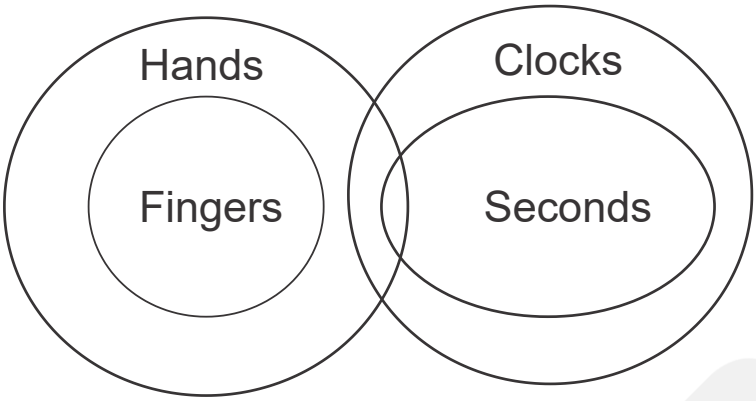
Option 2:
Both conclusions (I) and (II) do not follow

Option 3:
Only conclusion (I) follows

Option 4:
Only conclusion (II) follows

Correct Answer:
Only conclusion (I) follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some Clocks are Hands – From the Venn diagram, we can see that the two circles representing clocks and hands intersect and have a part of their area in common. So, this conclusion follows.
Conclusion (II): Some Fingers are Clocks – From the Venn diagram, we can see that there is no definite relation between fingers and clocks. So, this conclusion does not follow.

So, the only conclusion I follow. Hence, the **third option** is correct.

Q. 146

Directions: Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

All bottles are medicines.

Some doctors are bottles.

Some medicines are capsules.

Conclusions:

I. Some doctors are medicines.

II. Some bottles are capsules.

Option 1:

Only conclusion (I) is true

Option 2:

Only conclusion (II) is true

Option 3:

Both conclusions (I) and (II) are true

Option 4:

Neither conclusion (I) nor (II) is true

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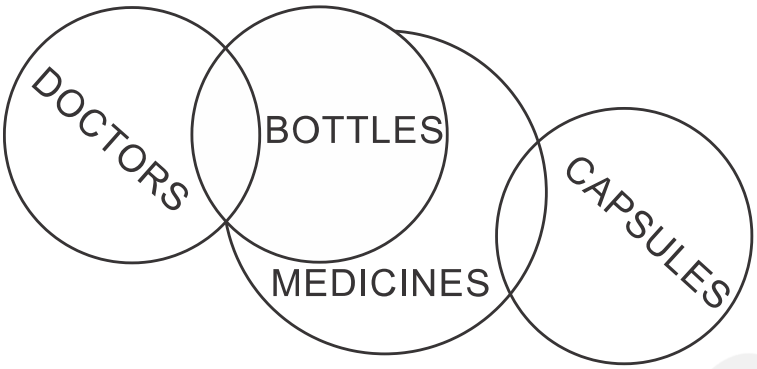
Correct Answer:
Only conclusion (I) is true

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some doctors are medicines – From the diagram, it is evident that the circles representing doctors and medicines overlap and have a part of their area in common. So, it can be concluded that some doctors are medicines.
Conclusion (II): Some bottles are capsules – From the Venn diagram, it is evident that there is no direct relation between bottles and capsules. Thus, no definite relation can be drawn. So, this conclusion is false.

So, the only conclusion I is true. Hence, the **first option** is correct.

Q. 147 **Directions:** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some houses are trees.

All flowers are houses.

No vegetable is a flower.

Conclusions:

(I) Some vegetables are house is a possibility.

(II) Some flowers are tree is a possibility.

(III) No vegetable is a house.

Option 1:
Both conclusions II and III follow

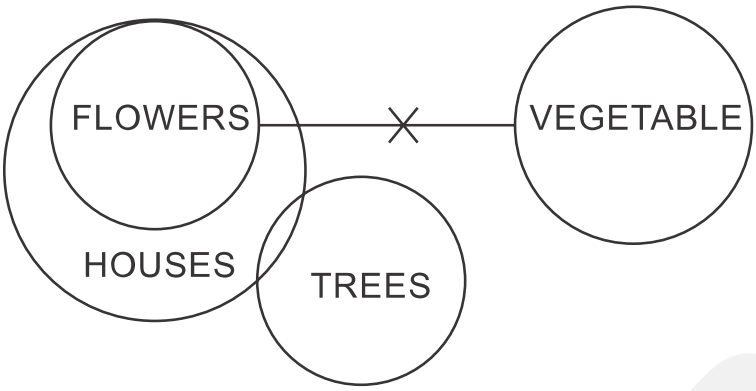
Option 2:
Only conclusion II follows

Option 3:
Both conclusions I and II follow

Option 4:
Only conclusion III follows

Correct Answer:
Both conclusions I and II follow

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some vegetables are house is a possibility – It is a possibility that some parts of the circle representing vegetables overlap the circle that represents houses. But this is not definite. So, it can be concluded that some vegetables are houses is a possibility.
Conclusion (II): Some flowers are tree is a possibility – It is a possibility that some parts of the circle representing flowers overlap the circle that represents trees. But this is not definite. So, it can be concluded that some flowers are trees is a possibility.
Conclusion (III): No vegetable is a house – From the Venn diagram, it is evident that no flowers are vegetables. But there is a possibility that the part of the circle representing houses that lie outside the circle representing flowers can be vegetables. So, this conclusion does not follow.

So, both conclusions I and II follow. Hence the **third option** is correct.

Q. 148 **Directions:** Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follows from the given statements.

Statements:

All elephants are tigers.

All tigers are horses.

No horse is a camel.

Conclusions:

I. Some horses are elephants.

II. Some camels are tigers.

Option 1:

Only conclusion I follows

Option 2:

Both conclusions I and II follow

Option 3:

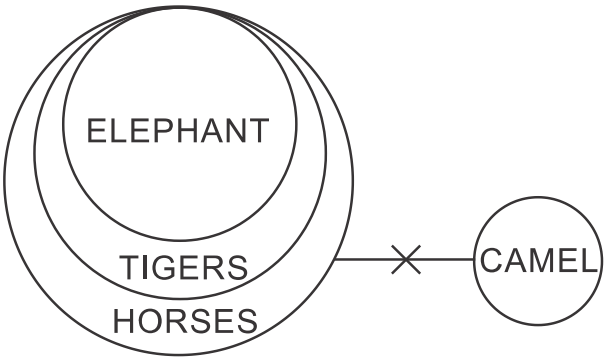
Only conclusion II follows

Option 4:

Neither conclusion I nor II follows

Correct Answer:
Only conclusion I follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some horses are elephants – From the Venn diagram, it is evident that some parts of the circle representing horses lie inside the circle representing elephants while some lie outside. So, it can be concluded that some horses are elephants.
Conclusion (II): Some camels are tigers – From the Venn diagram, it is evident that there is a negative relation between camels and tigers. So, this conclusion does not follow.

So, the only conclusion I follows. Hence, the **first option** is correct.

Q. 149

Directions: Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow[s] from the statements.

Statements:

Some mangoes are apples.

All apples are grapes.

No pear is a mango.

Conclusions:

(I) Some grapes are mangoes.

(II) No grape is a pear.

Option 1:

Both conclusions (I) and (II) follow

Option 2:

Neither conclusion (I) nor (II) follows

Option 3:

Only conclusion (I) follows

Option 4:

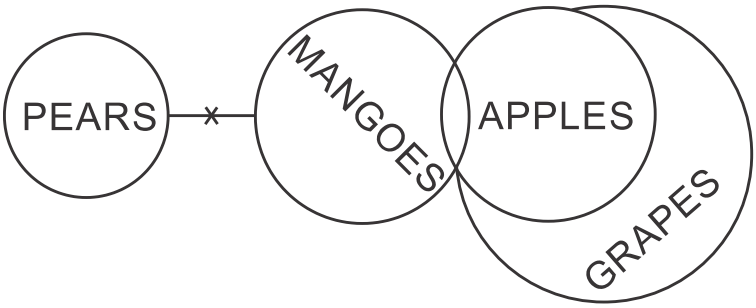
Only conclusion (II) follows

Correct Answer:

Only conclusion (I) follows

Solution:

The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –

Conclusion (I): Some grapes are mangoes – From the Venn diagram, it is evident that the two circles representing grapes and mangoes overlap and have a part of their area in common. So, this conclusion follows.

Conclusion (II): No grape is a pear – From the Venn diagram, it is evident that there is no direct relation between grapes and pears. Thus, no definite relation can be drawn. So, this conclusion does not follow.

So, the only conclusion I follows. Hence, the **third option** is correct.

Q. 150

Directions: Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements:

I. Some aprons are chopsticks.

II. Some chopsticks are forks.

III. All forks are knives.

Conclusions:

I. Some chopsticks are aprons.

II. No forks are knives.

Option 1:
Both conclusions (I) and (II) follow

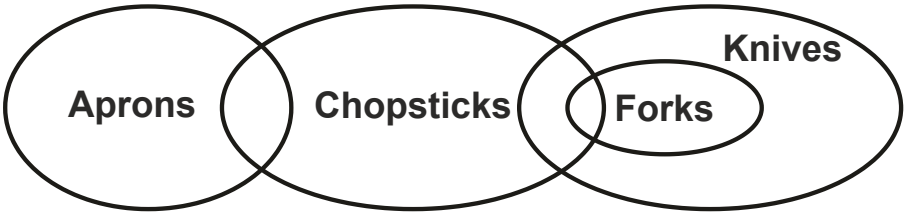
Option 2:
Neither conclusion (I) nor (II) follows

Option 3:
Only conclusion (I) follows

Option 4:
Only conclusion (II) follows

Correct Answer:
Only conclusion (I) follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some chopsticks are aprons – From the Venn diagram, we can see that the two circles representing chopsticks and aprons overlap and have a part of their area in common. So, this conclusion follows.
Conclusion (II): No forks are knives – From the Venn diagram, we can see that the circle representing forks is completely overlapped by the circle representing knives. So all forks are knives. So, this conclusion does not follow.

So, the only conclusion (I) follows. Hence, the **third option** is correct.

Q. 151

Directions: Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow from the given statements.

Statements:

Some Ducks are Chickens.

Some Chickens are Eggs.

All Eggs are Omelettes.

Conclusions:

I. Some Ducks are Eggs.

II. Some Chickens are Omelettes.

Option 1:

Both conclusions (I) and (II) follow

Option 2:

Only conclusion (I) follows

Option 3:

Neither conclusion (I) nor (II) follows

Option 4:

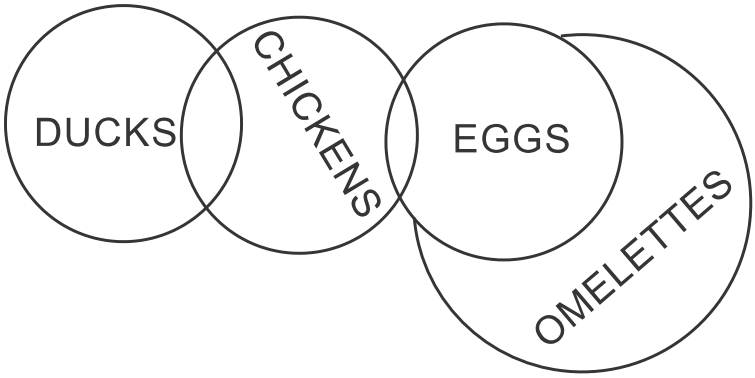
Only conclusion (II) follows

Correct Answer:

Only conclusion (II) follows

Solution:

The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –

Conclusion (I): Some Ducks are Eggs – From the Venn diagram, there is no direct relation between ducks and eggs. Thus, no definite relation can be drawn. So, this conclusion does not follow.

Conclusion (II): Some Chickens are Omelettes – From the Venn diagram, it is evident that the two circles representing chickens and omelettes overlap and have a part of their area in common. So, this conclusion follows.

So, the only conclusion II follows. Hence, the **fourth option** is correct.

Q. 152

Directions: Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statement(s).

Statements:

I. Some bulbs are switches.

II. No switch is a vase.

III. All fans are switches.

Conclusions:

I. Some bulbs being fans is a possibility.

II. No fan is a vase.

III. All switches are fans.

IV. No bulb is a vase.

Option 1:

Only conclusions II and III follow

Option 2:

Only conclusions I and II follow

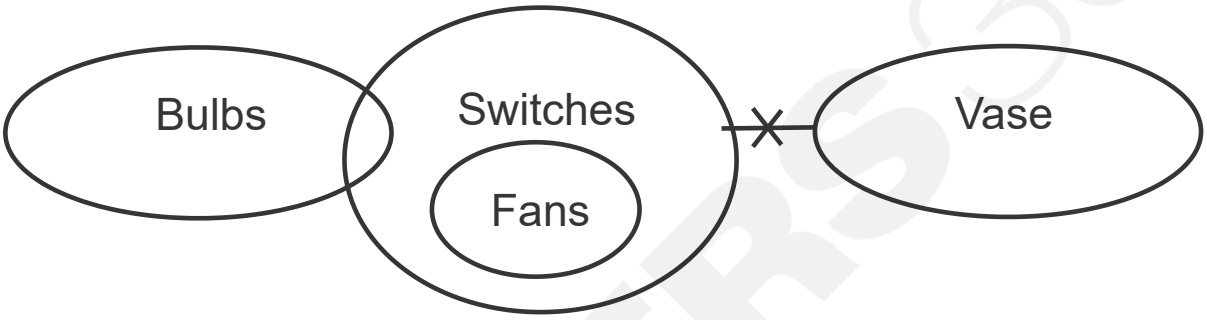
Option 3:

Only conclusions I, II and IV follow

Option 4:
Only conclusion I follows

Correct Answer:
Only conclusions I and II follow

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some bulbs being fans is a possibility – From the Venn diagram we can see that the circle representing bulbs and fans are not connected and there is no negative relation between them. Therefore, this conclusion follows.
Conclusion (II): No fan is a vase – From the Venn diagram, we can see that the circle representing the vase has a negative relation with the circle representing the switches, and also the circle of fans is completely inside the circle of switches. So, this conclusion follows.
Conclusion (III): All switches are fans – From the Venn diagram, we can see that the circle representing switches is not completely inside the circle representing fans. So, this conclusion does not follow.

Conclusion (IV): No bulb is a vase – From the Venn diagram we can see that there is no definite relation between bulb and vase. So, this conclusion does not follow.

Therefore, the only conclusions I and II follow. Hence, the **second option** is correct.

Q. 153

Directions: In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows the given statements.

Statements:

I. Some W are F.

II. Some R are F.

Conclusions:

I. Some R is not W.

II. No W is R.

Option 1:

Only conclusion I follows

Option 2:

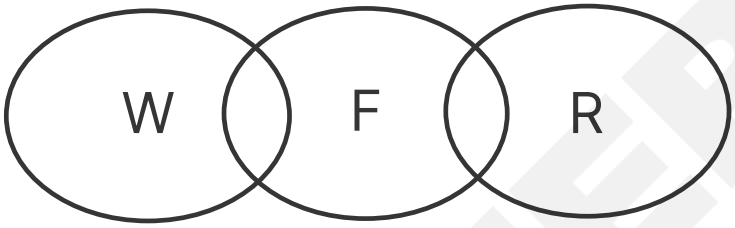
Both conclusions I and II follow

Option 3:
Only conclusion II follows

Option 4:
Neither conclusion follows

Correct Answer:
Neither conclusion follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some R is not W – From the Venn diagram, it is evident that there is no direct relation between R and W. So, this conclusion doesn't follow.
Conclusion (II): No W is R – From the Venn diagram, it is evident that there is no direct relation between R and W. So, this conclusion doesn't follow.

So, neither conclusion follows. Hence, the **fourth option** is correct.

Q. 154

Directions: In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows the given statements.

Statements:

I. All pencils are pens.

II. Some pens are rubber.

Conclusions:

I. All rubber is pencil.

II. Some pens are not pencils.

III. Some rubbers are not pens.

Option 1:
Neither conclusion follows

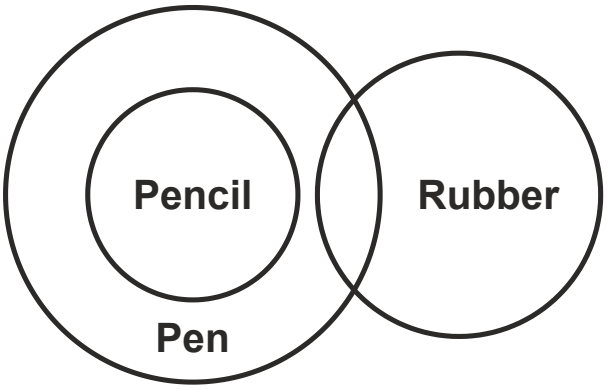
Option 2:
Only conclusion II follows

Option 3:
Both conclusions I and III follow

Option 4:
All conclusion follows

Correct Answer:
Neither conclusion follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Conclusion I: All rubber is pencil – From the Venn diagram, it can be seen that there is no direct relation between rubber and pencil. So, no relation can be drawn from it.
Conclusion II: Some pens are not pencils – From the Venn diagram, there is no definite relation between pens and pencils. So, this conclusion is incorrect.
Conclusion III: Some rubbers are not pens – From the Venn diagram, there is no definite relation between pens and rubbers. So, this conclusion is incorrect.

Therefore, neither conclusion follows according to the given statements. Hence, the **first option** is correct.

Q. 155

Directions: In the following question below, some statements are followed by some conclusions. Taking the given statements to be true, even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows from the given statements.

Statements:

I. No student is a teacher.

II. All students are children.

III. Some girls are students.

Conclusions:

I. Some children are not teachers.

II. Some girls are not teachers.

III. No girl is a teacher.

Option 1:
Only conclusions I and II follow

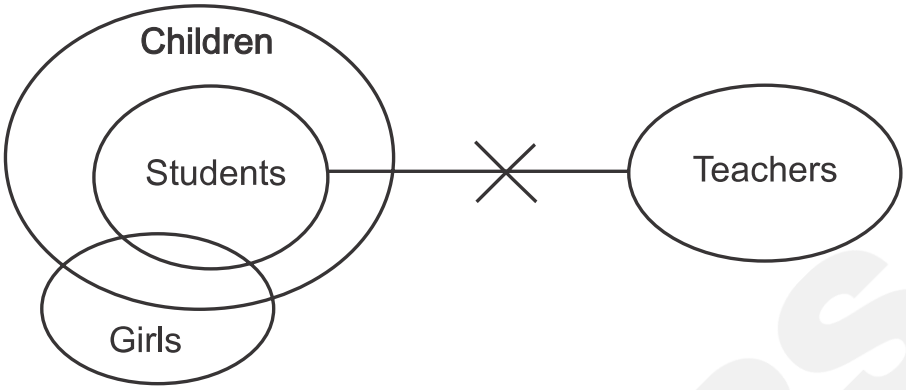
Option 2:
All conclusions follow

Option 3:
Only conclusions II and III follow

Option 4:
Only conclusions I and III follow

Correct Answer:
Only conclusions I and II follow

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some children are not teachers – From the Venn diagram, it is evident that some children are students and no students are teachers. So, some children that are students will not be teachers. So, this conclusion follows.
Conclusion II: Some girls are not teachers – From the Venn diagram, it is evident that some girls are students and no students are teachers. So, some girls that are students will not be teachers. So, this conclusion follows.
Conclusion III: No girl is a teacher – From the Venn diagram, some girls are not teacher but there is no direct negative relation between girl and teacher. So, this conclusion does not follow.

Therefore, the only conclusions I and II follow. Hence, the **first option** is correct.

Q. 156 **Directions:** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

I. Some pens are books.

II. All books are compasses.

III. Some compasses are pins.

Conclusions:

I. Some compasses are pens.

II. All compasses are pens.

III. Some pins are books.

IV. Some compasses are books.

Option 1:
Only conclusions I and II follow

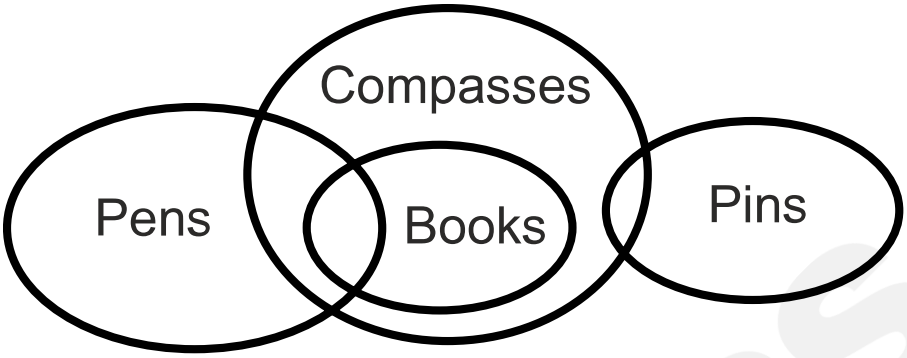
Option 2:
Only conclusions I and III follow

Option 3:
Only conclusions I and IV follow

Option 4:
Only conclusions III and IV follow

Correct Answer:
Only conclusions I and IV follow

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion I: Some compasses are pens – From the Venn diagram, we can see that the two circles representing compasses and pens intersect and have a part of their area in common. So, this conclusion follows.
Conclusion II: All compasses are pens – From the Venn diagram, we can see that the two circles representing compasses and pens overlap and have a part of their area in common. So, this conclusion does not follow.
Conclusion III: Some pins are books – From the Venn diagram, we can see that there is no definite relation between pins and books. So, this conclusion does not follow.
Conclusion IV: Some compasses are books – From the Venn diagram, it is evident that some parts of the circle representing compasses lie inside the circle representing books while some lie outside. So, it can be concluded that some compasses are books.

So, the only conclusions I and IV follow. Hence, the **third option** is correct.

Q. 157

Directions: In the following question below, some statements are followed by some conclusions. Taking the given statements to be true, even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows from the given statements.

Statements:

Some bags are hot.

All hot things are cakes.

Conclusions:

I. All cakes are bags.

II. All bags are cakes.

Option 1:

Conclusion I follows

Option 2:

Conclusion II follows

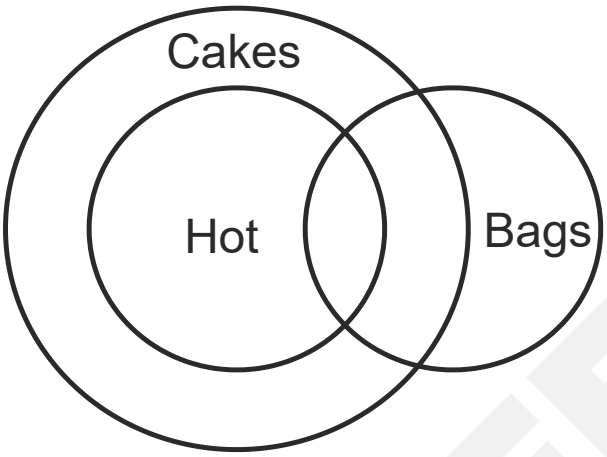
Option 3:

Neither I nor II follows

Option 4:
Both I and II follow

Correct Answer:
Neither I nor II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All cakes are bags – From the Venn diagram, the circle of the cake is not completely inside the circle of the bag only some parts of cakes and bags intersect and have a common area between them. This means that some cakes are bags. So, this conclusion does not follow.
Conclusion (II): All bags are cakes – From the Venn diagram, the circle of the bag is not completely inside the circle of the cake only some parts of cakes and bags intersect and have a common area between them. This means that some bags are cakes. So, this conclusion does not follow.

So, neither I nor II follows. Hence, the **third option** is correct.

Q. 158

Directions: In the following question below, some statements are followed by some conclusions. Taking the given statements to be true, even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows from the given statements.

Statements:

1. All young girls are modern.
2. No modern men are superstitious.

Conclusions:

I. No girls are superstitious.

II. No young men are superstitious.

Option 1:
Conclusion I follows

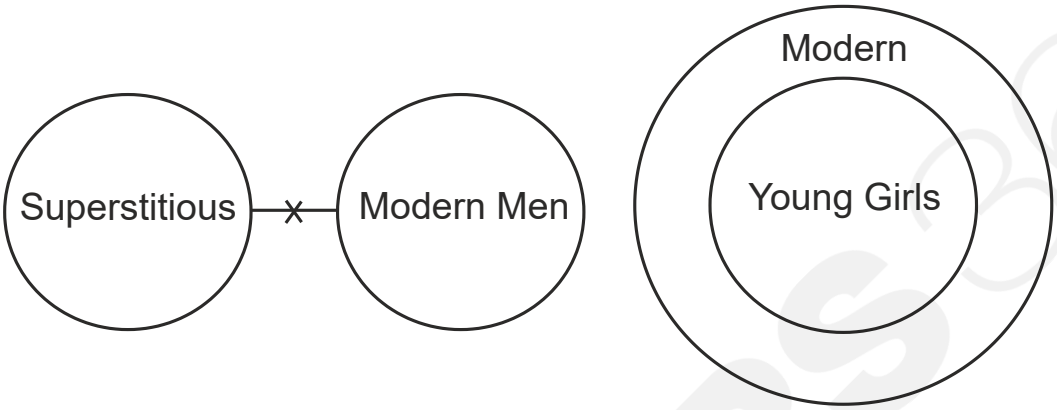
Option 2:
Conclusion II follows

Option 3:
Neither conclusion I nor conclusion II follows

Option 4:
Both conclusion I and conclusion II follow

Correct Answer:
Neither conclusion I nor conclusion II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): No girls are superstitious – The statements only mention young girls. None of the statements contain any information about girls. So, this conclusion does not follow.
Conclusion (II): No young men are superstitious – The statements only mention modern men. None of the statements contain any information about young men. So, this conclusion does not follow.

So, neither conclusion I nor conclusion II follows. Hence, the **third option** is correct.

Q. 159

Directions: In the following question below, some statements are followed by some conclusions. Taking the given statements to be true, even if they seem to be at variance from commonly known facts, read all the conclusions and then decide which of the given conclusions logically follows from the given statements.

Statements:

I. Some water is white.

II. Some fishes are water.

Conclusions:

I. All fishes are water.

II. Some white are fishes.

Option 1:
Only conclusion I follows

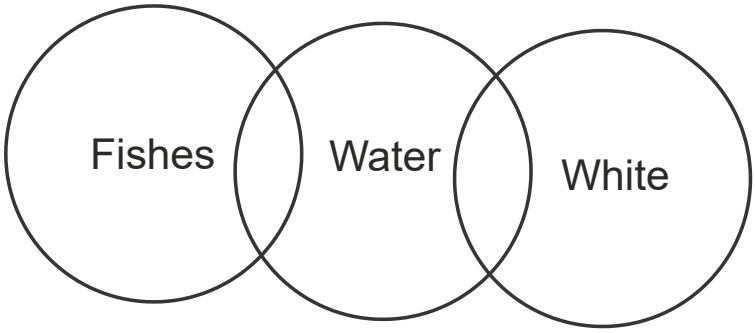
Option 2:
Only conclusion II follows

Option 3:
Both conclusion follow

Option 4:
Neither conclusion I nor conclusion II follows

Correct Answer:
Neither conclusion I nor conclusion II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All fishes are water – From the Venn diagram, we can see that the two circles representing fishes and water overlap and have a part of their area in common. Therefore some fishes are water is true but all fishes are water is a false conclusion.
Conclusion (II): Some whites are fishes – From the Venn diagram, there is no definite relation between whites and fishes. So, this conclusion does not follow.

So, neither conclusion I nor conclusion II follows. Hence, the **fourth option** is correct.

Q. 160

Directions: In the following question, two statements are given followed by two conclusions, I and II. You have to consider the two statements to be true even if they seem to be at variance with commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statements:

All men are aggressive.

All children are aggressive.

Conclusions:

I. Men are children.

II. Children are men.

Option 1:

Only conclusion II follows

Option 2:

Both conclusions I and II follow

Option 3:

Neither conclusion I nor conclusion II follows

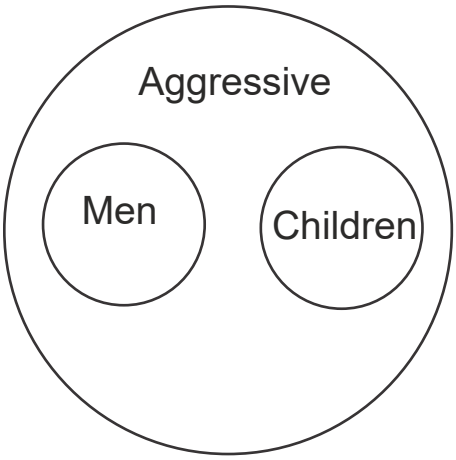
Option 4:

Only conclusion I follows

Correct Answer:

Neither conclusion I nor conclusion II follows

Solution:
The possible Venn diagram, according to the given statements, is –



Let's analyse the conclusions –
Conclusion I: Men are children – From the Venn diagram, there is no definite relation between men and children. Therefore, this conclusion does not follow.
Conclusion II: Children are men – From the Venn diagram, there is no definite relation between men and children. Therefore, this conclusion does not follow.

Therefore, none of the conclusions follows is the correct answer. Hence, the **third option** is correct.

Q. 161

Directions: In the following question are given some statements followed by some conclusions. Taking the given statements to be true even if they seem to be at variance with commonly-known facts, read all conclusions and decide which one logically follows from the given statements.

Statements:

No cup is a plate.

No plate is a spoon.

Conclusions:

I. No cup is a spoon.

II. Some spoons are cups.

Option 1:
Only I

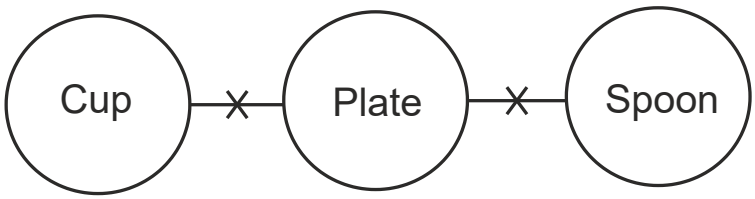
Option 2:
Only II

Option 3:
Neither I nor II

Option 4:
Both I and II

Correct Answer:
Neither I nor II

Solution:
The Venn diagram is as follows –



Let's analyse the conclusions –
Conclusion (I): No cup is spoon – From the above diagram, it is evident that there is no direct relation between cup and spoon. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.
Conclusion (II): Some spoons are cups – From the above diagram, it is evident that there is no direct relation between cup and spoon. So, no definite relation can be drawn between them. Therefore, this conclusion does not follow.

So, neither conclusion I nor II follows. Hence, the **third option** is correct.

Q. 162

Directions: Three Statements are given followed by three conclusions numbered I, II, and III. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All pens are newspapers.

Some newspapers are novels.

No novel is a book.

Conclusions:

I. Some books are pens.

II. Some novels are pens.

III. No book is a pen.

Option 1:

Either conclusion I or III follows

Option 2:

Both conclusions II and III follow

Option 3:

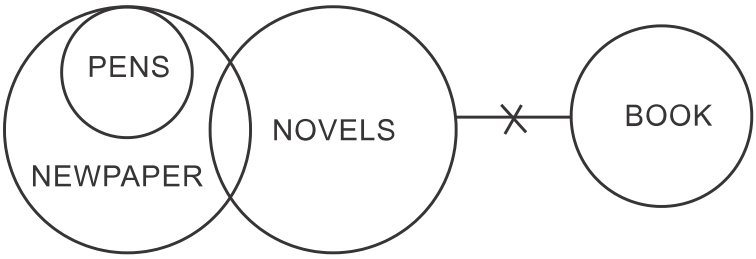
Either conclusion II or III follows

Option 4:

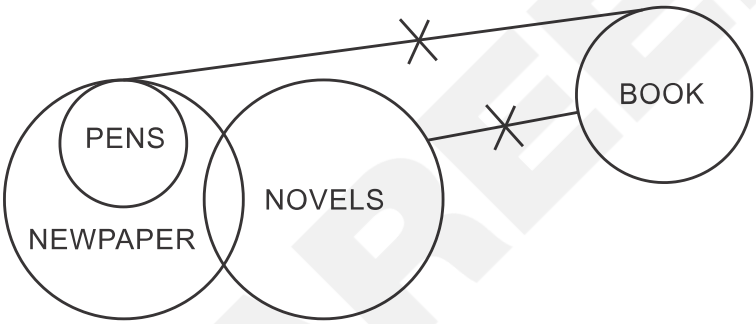
Both conclusions I and II follow

Correct Answer:
Either conclusion I or III follows

Solution:
According to the given statements the following Venn diagram can be drawn –

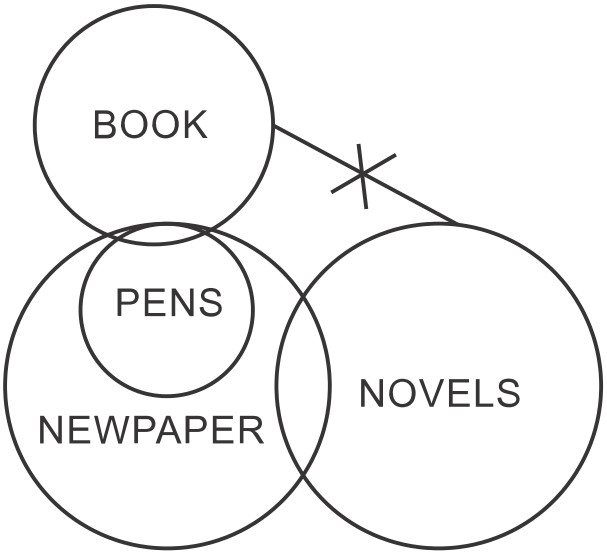


Conclusion I: Some books are pens – From the above diagram, there is no direct relation between books and pens but there is a possibility that some books can be pens as shown below –



So, this conclusion may or may not follow.
Conclusion II: Some novels are pens – From the above diagram, there is no direct relation between pens and novels. So, it is clear that no novels are pens. So, this conclusion does not follow.
Conclusion III: No book is a pen – From the above diagram, there is no direct relation between books and pens but there is a possibility that no

book is a pen as shown below –



So, this conclusion may or may not follow.

Therefore, from the above, either conclusion I or III follows. Hence, the **first option** is correct.

Q. 163

Directions: In this question, three statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follows/follow from the statements.

Statements:

I. Some rings are fingers.

II. Some fingers are toes.

III. No toe is an earring.

Conclusions:

1. No earring is a ring.

II. Some toes are rings.

Option 1:
Neither conclusion I nor II follows

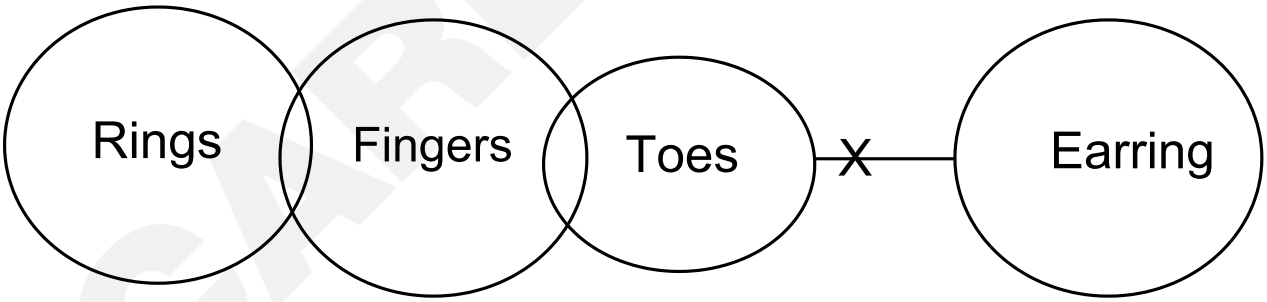
Option 2:
Only conclusion II follows

Option 3:
Only conclusion I follows

Option 4:
Both conclusions I and II follow

Correct Answer:
Neither conclusion I nor II follows

Solution:
According to the given statements, the following diagram can be drawn:



Conclusion I: No earring is a ring – From, the above diagram, it can be seen that there is no direct relation between earring and ring. Therefore, this conclusion is false.

Conclusion II: Some toes are rings – From, the above diagram, it can be seen that there is no direct relation between toes and rings. Therefore, this conclusion is false.

Therefore, neither conclusion I nor conclusion II follows according to the given statements. Hence, the **first option** is correct.

Q. 164

Directions: Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusions logically follow/s from the given statements.

Statements:

I. All magnets are poles.

II. All poles are telescopes.

III. Some telescopes are computers.

Conclusions:

I. All telescopes are magnets.

II. Some poles are computers.

Option 1:

Both conclusions (I) and (II) are true

Option 2:

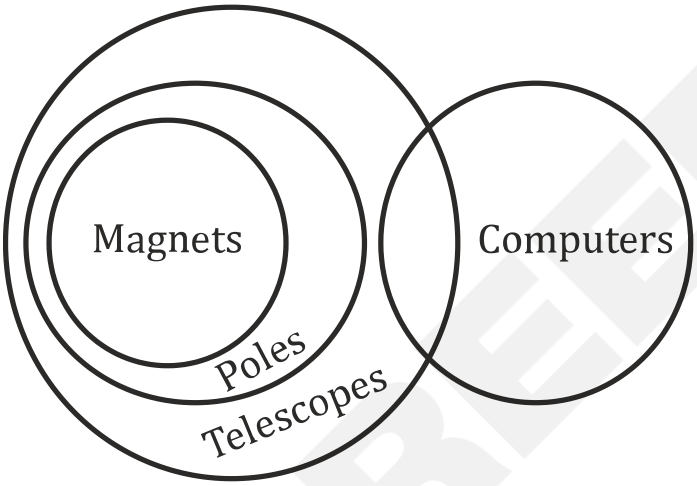
Only conclusion (I) is true

Option 3:
Only conclusion (II) is true

Option 4:
Neither conclusion (I) nor (II) is true

Correct Answer:
Neither conclusion (I) nor (II) is true

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All telescopes are magnets – From the Venn diagram, it is evident that some parts of the circle representing telescopes lie outside the circle representing magnets and some parts are inside. Therefore, this conclusion does not follow.
Conclusion (II): Some poles are computers – From the Venn diagram, it can be said that there is no direct relation between poles and computers. Therefore, this conclusion does not follow.

So, neither conclusion (I) nor (II) is true. Hence, the **fourth option** is correct.

Q. 165

Directions: In the following question, two statements are given followed by two conclusions I and II. You must consider the two statements true even if they seem at variance from commonly known facts. You have to decide which conclusions, if any, follow from the given statements.

Statements:

I. Some human creatures are angels.

II. All doctors are angels.

Conclusions:

I. Some human creatures are doctors.

II. Some doctors are human creatures.

Option 1:
Only I follows

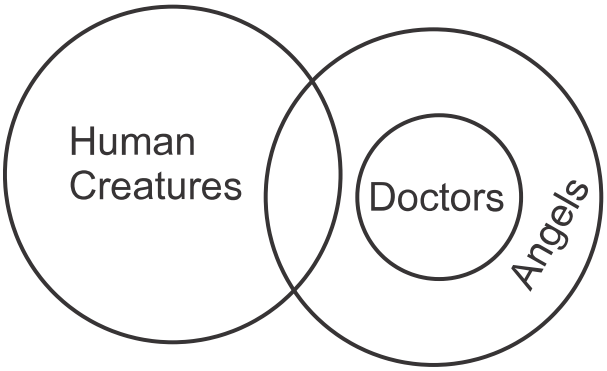
Option 2:
Only II follows

Option 3:
Either I or II follows

Option 4:
Neither I nor II follows

Correct Answer:
Neither I nor II follows

Solution:
According to the given statements, the following Venn diagram can be drawn –



Let's analyse the conclusions –
Conclusion I: Some human creatures are doctors – From the above diagram, there is no direct relation between human creatures and doctors. So, this conclusion does not follow.
Conclusion II: Some doctors are human creatures – From the above diagram, there is no direct relation between doctors and human creatures. So, this conclusion does not follow.

So, neither I nor II follows. Hence, the **fourth option** is correct.

Q. 166

Directions: In the following question, two statements are given followed by two conclusions I and II. You must consider the two statements true even if they seem at variance from commonly known facts. You have to decide which conclusions, if any, follow from the given statements.

Statements:

I. All English movies are violent.

II. Some people like watching English movies.

Conclusions:

I. All people watching English movies like violence.

II. All people who like violence watch English movies.

Option 1:
Only I follows

Option 2:
Only II follows

Option 3:
Neither I nor II follows

Option 4:
Both I and II follow

Correct Answer:
Only I follows

Solution:
According to the given statements –
Conclusion I: All people watching English movies like violence –
According to the given statement, all English movies are violent. Therefore, we can conclude that all people watching English movies like violence. So, this conclusion follows.
Conclusion II: All people who like violence watch English movies –
According to the given statement, all English movies are violent and some people like watching English movies. Therefore, we cannot conclude that all people who like violence watch English movies. So, this conclusion does not follow.

So, only I follows. Hence, the **first option** is correct.

Q. 167

Directions: Read the given statements and conclusions carefully. You have to consider the given statements true even if they seem at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.
Statements:
(I) All spoons are forks.
(II) Some forks are sticks.
(III) No stick is a knife.
Conclusions:
(I) Some knives are forks.
(II) No stick is a spoon.

Option 1:
Only conclusion II follows

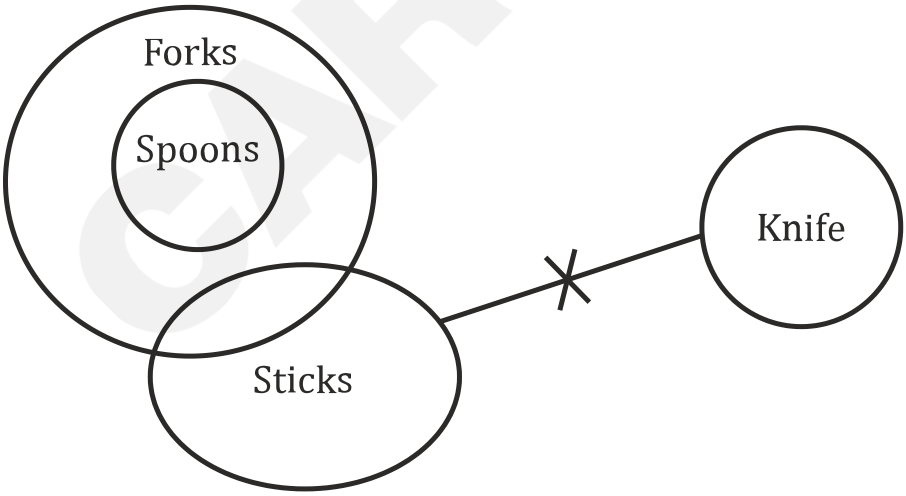
Option 2:
Both conclusions I and II follow

Option 3:
Only conclusion I follows

Option 4:
Neither conclusion I nor II follows

Correct Answer:
Neither conclusion I nor II follows

Solution:
The possible Venn diagram according to the statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some knives are forks – According to the Venn

diagram, there is no definite relation between knives and forks. Therefore, this conclusion is false.
Conclusion (II): No stick is a spoon – According to the Venn diagram, there is no definite relation between a stick and a spoon. Therefore, this conclusion is false.

So, neither conclusion I nor II follows. Hence, the **fourth option** is correct.

Q. 168

Directions: Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statements:
Some daisies are lilies.
All roses are lilies.
Some tulips are daisies.
Conclusions:
(I) Some lilies are tulips.
(II) Some roses are daisies.

Option 1:
Only conclusion (II) follows

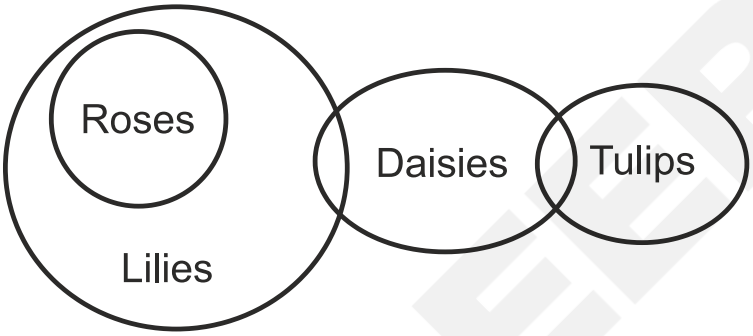
Option 2:
Only conclusion (I) follows

Option 3:
Both conclusions (I) and (II) follow

Option 4:
Neither conclusion (I) nor (II) follows

Correct Answer:
Neither conclusion (I) nor (II) follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some lilies are tulips – From the Venn diagram, it is evident that there is no direct relation between lilies and tulips. So, this conclusion does not follow.
Conclusion (II): Some roses are daisies – From the Venn diagram, it is evident that there is no direct relation between roses and daisies. So, this conclusion does not follow.

So, neither conclusion I nor II follows. Hence the **fourth option** is correct.

Q. 169

Directions: Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion/s logically follow/s from the given statements.

Statements:

All triangles are squares.

Some squares are circles.

Some triangles are pyramids.

Conclusions:

(I) Some circles are pyramids.

(II) All pyramids are triangles.

Option 1:

Only conclusion (I) is true

Option 2:

Both conclusions (I) and (II) are true

Option 3:

Neither conclusion (I) nor (II) is true

Option 4:

Only conclusion (II) is true

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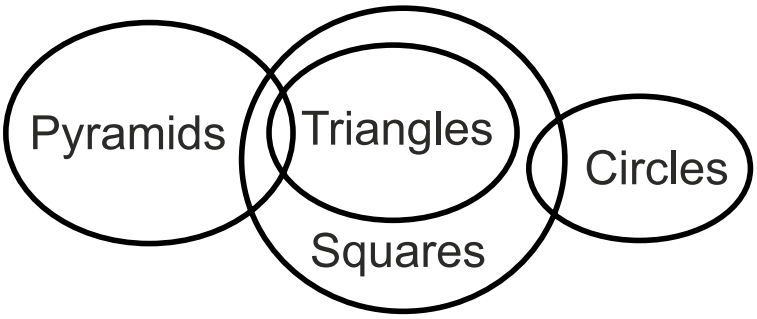
Correct Answer:
Neither conclusion (I) nor (II) is true

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some circles are pyramids – From the diagram, it is evident that there is no direct relation between pyramids and circles. So, this conclusion does not follow.
Conclusion (II): All pyramids are triangles – From the diagram, it is evident that the circles representing pyramids and triangles overlap each other. So, it can be concluded that only some pyramids are triangles.

So, neither conclusion (I) nor (II) is true. Hence the **third option** is correct.

Q. 170

Directions: In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows the given statements.

Statements:

I. All Q is M.

II. All O is M.

Conclusions:

I. Some O is not Q.

II. All M is Q.

Option 1:
Both conclusions I and II follow

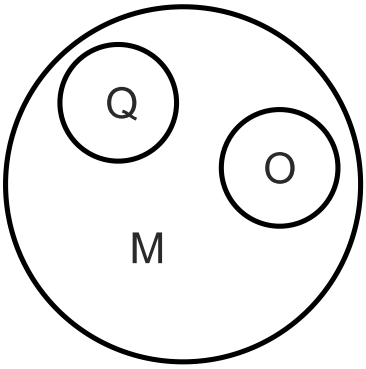
Option 2:
Only conclusion II follows

Option 3:
Only conclusion I follows

Option 4:
Neither conclusion follows

Correct Answer:
Neither conclusion follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some O is not Q – From the diagram, it is evident that there is no direct relation between O and Q. So, this conclusion does not follow.
Conclusion (II): All M are Q – From the Venn diagram, it is evident that some parts of the circles representing M lie outside the circle representing Q. So, it can be concluded that some M is Q.

So, neither conclusion follows. Hence, the **fourth option** is correct.

Q. 171

Directions: In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows the given statements.

Statements:

All R is P.

All R is Q.

Conclusions:

I. No P is Q.

II. No R is P.

Option 1:

Neither conclusion (I) nor (II) follows

Option 2:

Only conclusion (II) follows

Option 3:

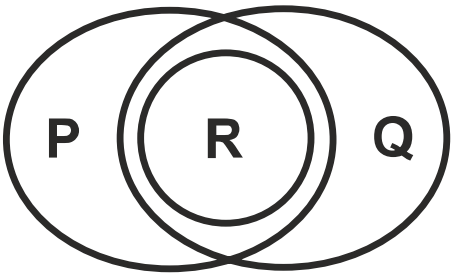
Both conclusions (I) and (II) follow

Option 4:

Only conclusion (I) follows

Correct Answer:
Neither conclusion (I) nor (II) follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): No P is Q – From the Venn diagram, it is evident that the two circles representing P and Q overlap and have a part of their area in common. So, this conclusion does not follow.
Conclusion (II): No R is P – From the Venn diagram, it is evident that the circle representing R is completely overlapped by the circle representing P. So, this conclusion does not follow.

So, neither conclusion (I) nor (II) follows. Hence, the **first option** is correct.

Q. 172

Directions: In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows the given statements.

Statements:

I. Some G is U.

II. Some S is U.

Conclusions:

I. No S is G.

II. No U is G.

Option 1:
Only conclusion I follows

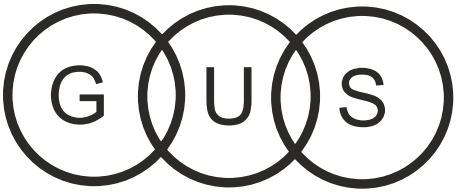
Option 2:
Only conclusion II follows

Option 3:
Neither conclusion follows

Option 4:
Both conclusions I and II follow

Correct Answer:
Neither conclusion follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): No S is G – From the Venn diagram, there is no direct relation between S and G. Thus, no definite relation can be drawn. So, this conclusion does not follow.
Conclusion (II): No U is G – From the Venn diagram, it is evident that the two circles representing G and U overlap and have a part of their area in common. So, this conclusion does not follow.

So, neither conclusion I nor II follows. Hence, the **third option** is correct.

Q. 173

Directions: In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows the given statements.

Statements:

All F is K.

All W is K.

Conclusions:

I. All W is F.

II. Some K is not W.

III. Some F is W.

Option 1:
Both conclusions I and III follow

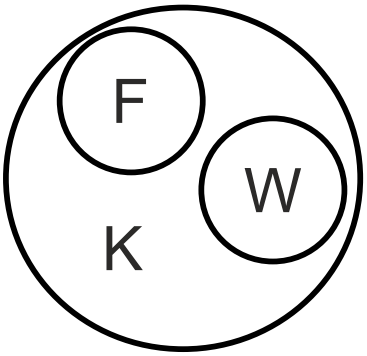
Option 2:
Both conclusions II and III follow

Option 3:
Only conclusion I follows

Option 4:
Neither conclusion follows

Correct Answer:
Neither conclusion follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All W is F – From the Venn diagram, it is evident that there is no direct relation between W and F. So, no definite relation can be drawn. Therefore, this conclusion does not follow.
Conclusion (II): Some K is not W – It is a possibility that the circle representing K is completely overlapped by the circle that represents W. But, this is not definite. So, this conclusion does not follow.
Conclusion (III): Some F is W – From the Venn diagram, it is evident that there is no direct relation between F and W. So, no definite relation can be drawn. Therefore, this conclusion does not follow.

So, none of the conclusions follow. Hence, the **fourth option** is correct.

Q. 174

Directions: In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows the given statements.

Statements:

All N is K.

All K is P.

Conclusions:

I. Some P is not K.

II. No P is N.

Option 1:
Only conclusion II follows

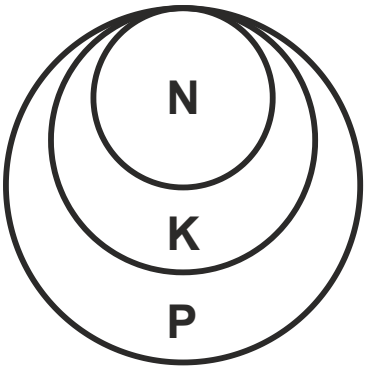
Option 2:
Both conclusions I and II follow

Option 3:
Only conclusion I follows

Option 4:
Neither conclusion follows

Correct Answer:
Neither conclusion follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some P is not K – It is a possibility that the circle representing P is completely overlapped by the circle that represents K. But, this is not definite. So, this conclusion does not follow.
Conclusion (II): No P is N – From the Venn diagram, it is evident that some parts of the circle representing P lie outside the circle representing N while some lie inside. So, this conclusion does not follow.

So, neither conclusion follows. Hence, the **fourth option** is correct.

Q. 175

Directions: In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows the given statements.

Statements:

Some L is Z.

Some L is T.

Conclusions:

I. All Z is L.

II. No T is Z.

Option 1:
Only conclusion I follows

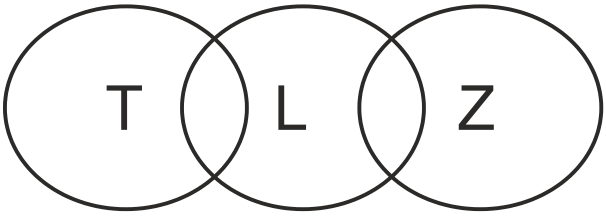
Option 2:
Both conclusions I and II follow

Option 3:
Only conclusion II follows

Option 4:
Neither conclusion follows

Correct Answer:
Neither conclusion follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All Z is L – From the Venn diagram, it is evident that the circles representing Z and L overlap and have some parts of their area in common. So, from this, it can be concluded that some Z is L. Therefore, this conclusion does not follow.
Conclusion (II): No T is Z – From the Venn diagram, it is evident that there is no direct relation between T and Z. So, no definite relation can be drawn. Therefore, this conclusion does not follow.

So, neither conclusion follows. Hence, the **fourth option** is correct.

Q. 176

Directions: In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows the given statements.

Statements:

No A is B.

No C is B.

Conclusions:

I. Some C is not A.

II. Some A is B.

Option 1:
Neither conclusion follows

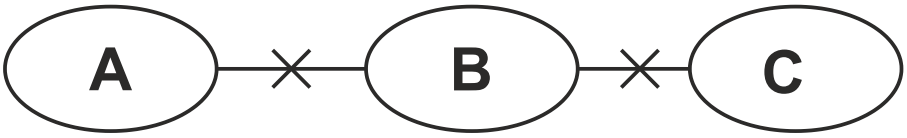
Option 2:
Only conclusion II follows

Option 3:
Only conclusion I follows

Option 4:
Both conclusions I and II follow

Correct Answer:
Neither conclusion follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some C is not A – From the Venn diagram, it is evident that there is no direct relation between A and C. So, no definite relation can be drawn. Therefore, this conclusion does not follow.
Conclusion (II): Some A is B – From the Venn diagram, it is evident that there is a negative relation between A and B. So, this conclusion does not follow.

So, neither conclusion follows. Hence, the **first option** is correct.

Q. 177

Directions: In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows the given statements.

Statements:

Some Z is X.

Some W is Z.

Conclusions:

I. Some X is not W.

II. Some X is not Z.

Option 1:
Only conclusion I follows

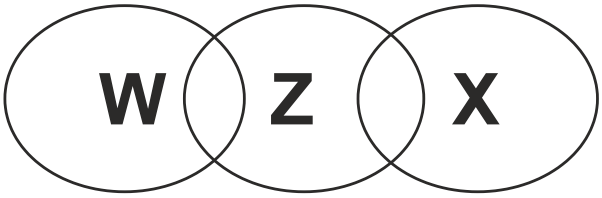
Option 2:
Only conclusion II follows

Option 3:
Both conclusions I and II follow

Option 4:
Neither conclusion follows

Correct Answer:
Neither conclusion follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some X is not W – From the Venn diagram, it is evident that there is no direct relation between X and W. So, no definite relation can be drawn. Therefore, this conclusion does not follow.
Conclusion (II): Some X is not Z – It is a possibility that the two circles representing X and Z do not completely overlap. But this is not definite. So, this conclusion does not follow.

So, neither conclusion follows. Hence, the **fourth option** is correct.

Q. 178

Directions: In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.

Statements:

I. No mobile is an electronic item.

II. All electronic items are costly.

Conclusions:

I. No costly is a mobile.

II. Some costly are mobile.

Option 1:
Only conclusion II follows

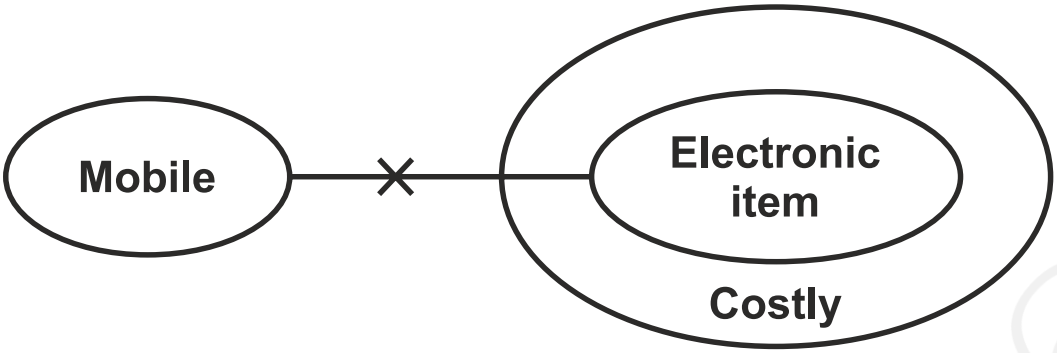
Option 2:
Both conclusions I and II follow

Option 3:
Either conclusion I or II follow

Option 4:
Only conclusion I follow

Correct Answer:
Either conclusion I or II follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): No costly is a mobile – According to the Venn diagram, there is no definite relation between costly and mobile. So, this conclusion does not follow.
Conclusion (II): Some costly are mobile – According to the Venn diagram, there is no definite relation between costly and mobile. So, this conclusion does not follow.

But, Some + No is a complimentary pair, it can be concluded that either conclusion I or conclusion II follows. Hence, the **third option** is correct.

Q. 179

Directions: In the following question, two statements are given, followed by two conclusions, I and II. You have to consider the two statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

No spaghetti is noodles.

Some foods are spaghetti.

Conclusions:

I. All noodles are food.

II. All foods are noodles.

Option 1:
Only Conclusion I follows

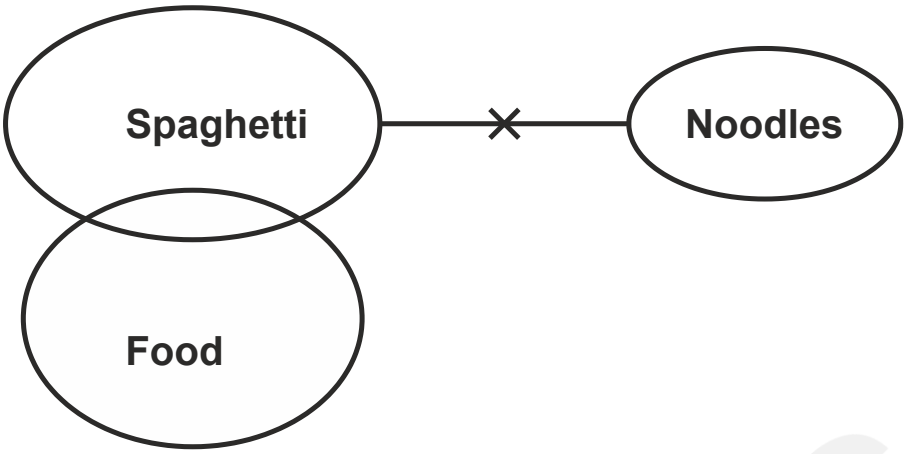
Option 2:
Only Conclusion II follows

Option 3:
Both Conclusions I and II follow

Option 4:
Neither Conclusion I nor Conclusion II follows

Correct Answer:
Neither Conclusion I nor Conclusion II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All noodles are food – According to the Venn diagram, there is no direct relation between noodles and food. So, no definite relation can be drawn. Therefore, this conclusion does not follow.
Conclusion (II): All foods are noodles – According to the Venn diagram, there is no direct relation between noodles and food. So, no definite relation can be drawn. Therefore, this conclusion does not follow.

Therefore, neither Conclusion I nor Conclusion II follows. Hence, the **fourth option** is correct.

Q. 180

Directions: In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows the given statements.

Statements:

All J is B.

Some D is B.

Conclusions:

Some D is not J.

Some B is not J.

Option 1:
Only conclusion I follows

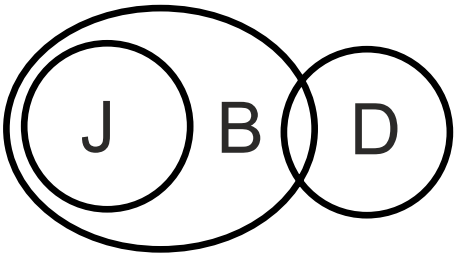
Option 2:
Neither conclusion follows

Option 3:
Only conclusion II follows

Option 4:
Both conclusions I and II follow

Correct Answer:
Neither conclusion follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some D is not J – According to the Venn diagram, there is no direct relation between D and J. So, no definite relation can be drawn. Therefore, this conclusion does not follow.
Conclusion (II): Some B is not J – It is a possibility that the circles representing B and J do not completely overlap. But this is not definite. Therefore, this conclusion is false.

So, neither conclusion I nor II follows. Hence, the **second option** is correct.

Q. 181

Directions: There are two statements followed by two conclusions I and II. Assuming the statements are true, decide which one of the conclusions logically follows, disregarding commonly known facts.

Statements:

All poets are intelligent.

All singers are intelligent.

Conclusions:

I. All singers are poets.

II. Some intelligent persons are not singers.

Option 1:
Only conclusion I follows

Option 2:
Only conclusion II follows

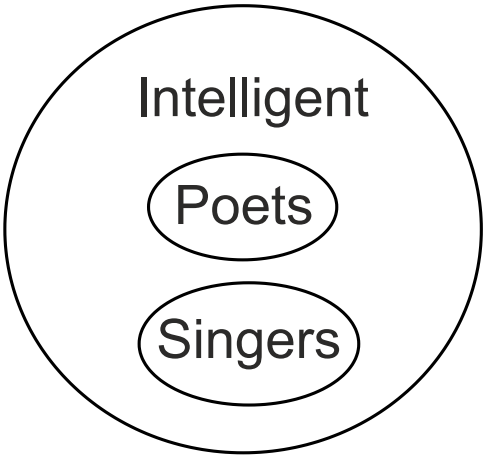
Option 3:
Either conclusion I or II follows

Option 4:
Neither conclusion I nor II follows

Correct Answer:
Neither conclusion I nor II follows

Solution:

The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusion –
Conclusion (I): All singers are poets – From the Venn diagram, there is no direct relation between poets and singers. So, no definite relation can be drawn. Therefore, this conclusion does not follow.
Conclusion (II): Some intelligent persons are not singers – According to the given Venn diagram all singers are intelligent and there is no negative relation between intelligent and singers, therefore this conclusion does not follow.

So, neither conclusion I nor conclusion II follows. Hence, the **fourth option** is correct.

Q. 182

Directions: In the following question, three statements are given followed by two conclusions I and II. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

Some books are novels.

All novels are magazines.

Some magazines are journals.

Conclusions:

I. Some novels are journals.

II. Some books are magazines.

III. All books are magazines.

IV. No novel is a journal.

Option 1:

Only II follows

Option 2:

Only III follows

Option 3:

Either I or II follows

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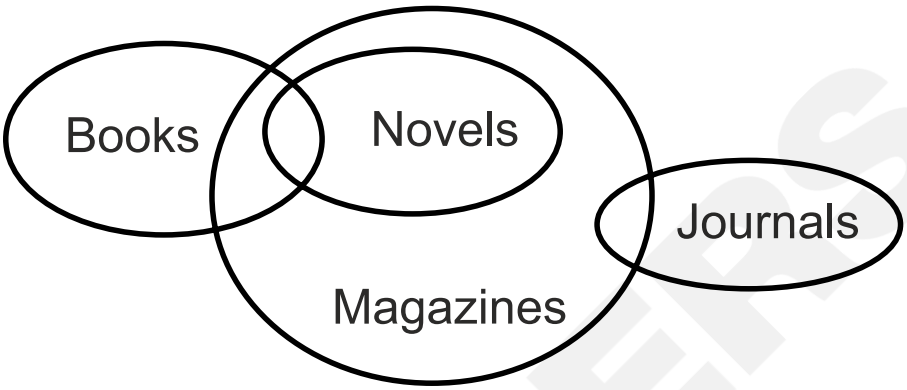
Option 4:
Either I or IV and conclusion II follow

Correct Answer:
Either I or IV and conclusion II follow

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some novels are journals – From the Venn diagram, it is evident that there is no direct relation between novels and journals. So, no definite relation can be drawn. Therefore, this conclusion does not follow.
Conclusion (II): Some books are magazines – From the Venn diagram, it is evident that the circles representing books and novels overlap and have a part of their area in common. So, from this, it can be concluded that some books are magazines. Therefore, this conclusion follows.
Conclusion (III): All books are magazines – From the Venn diagram, it is evident that the circles representing books and novels overlap and have a part of their area in common. So, from this, it can be

concluded that some books are magazines. Therefore, this conclusion does not follow.

Conclusion (IV): No novel is a journal – From the Venn diagram, it is evident that there is no direct relation between novels and journals. So, no definite relation can be drawn. Therefore, this conclusion does not follow.

So, either Conclusion I or Conclusion IV and Conclusion II follow. Hence, the **fourth option** is correct.

Q. 183

Directions: In the following question, two statements are given followed by three conclusions I, II, and III. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.

Statements:

No cities are countries.

No countries are villages.

Conclusions:

I. Some countries are cities.

II. No village is a city.

Option 1:

Only conclusions I follows

Option 2:
Only conclusions II follows

Option 3:
Both conclusions follow

Option 4:
Neither conclusion I nor conclusion II follows

Correct Answer:
Neither conclusion I nor conclusion II follows

Solution:
The possible Venn diagram according to the given statements is as follows –

Let's analyse the conclusions –
Conclusion (I): Some countries are cities – According to the Venn diagram, there is a negative relation between cities and countries. Therefore, some countries are cities is a false conclusion.
Conclusion (II): No village is a city – According to the Venn diagram, there is no definite relation between cities and villages. So, this conclusion is false.

So, neither conclusion I nor conclusion II follows. Hence, the **fourth option** is correct.

Q. 184 **Directions:** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.
Statement I: Some fish are frogs.
Statement II: Some frogs are whales.
Conclusion I: Some fish are whales.
Conclusion II: No fish is a whale.

Option 1:
Only I follows

Option 2:
Only II follows

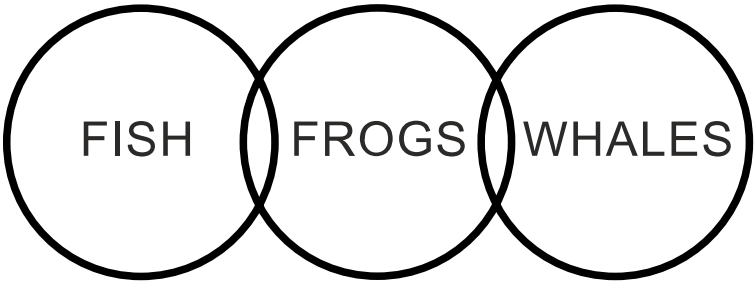
Option 3:
Either I or II follows

Option 4:
Neither I nor II follows

Correct Answer:
Either I or II follows

Solution:

The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –

Conclusion (I): Some fish are whales – It is a possibility that the circles representing fish and whales overlap and have a part of their area in common. But this is not definite.

Conclusion (II): No fish is a whale – It is a possibility that the circles representing fish and whales do not overlap. But this is not definite.

Some and no make an either-or conclusion.

So, either conclusion I or II follows. Hence, the **third option** is correct.

Q. 185

Directions: Two Statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All crows are birds.

Some parrots are birds.

Conclusions:

I. No crow is a parrot.

II. Some crows are parrots.

Option 1:
Only conclusion I follows

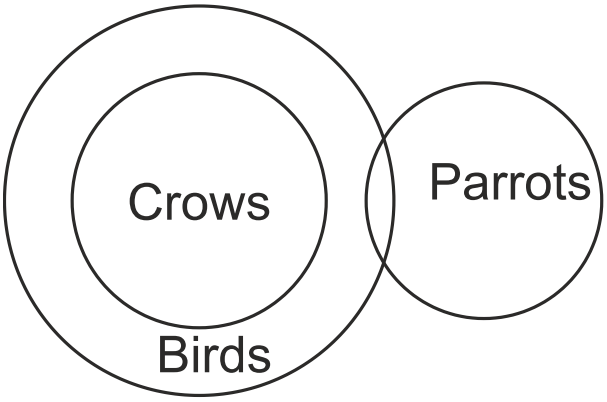
Option 2:
Either conclusion I or II follows

Option 3:
Both conclusions I and II follow

Option 4:
Only conclusion II follows

Correct Answer:
Either conclusion I or II follows

Solution:
According to the given statements, the Venn diagram is given below –



Let's analyse the conclusions –
Conclusion (I): No crow is a parrot – From the Venn diagram, it is clear that no relation is defined between crows and parrots. So, this conclusion doesn't follow.
Conclusion (II): Some crows are parrots – From the Venn diagram, it is clear that circles of crows and parrots don't overlap. So, some crows are parrots not true.
But after analysing both conclusions it is clear that there may be some crows who are parrots or maybe no crow is a parrot.

So, Either conclusion I or conclusion II follows. Hence, the **second option** is correct.

Q. 186

Directions: Two Statements are given followed by two conclusions numbered I and II. Assuming the statement to be true, even if it seems to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All mobiles are electronic items.

Some telephones are electronic items.

Conclusions:

I. No mobile is a telephone.

II. Some mobile are telephones.

Option 1:
Both conclusions I and II follow

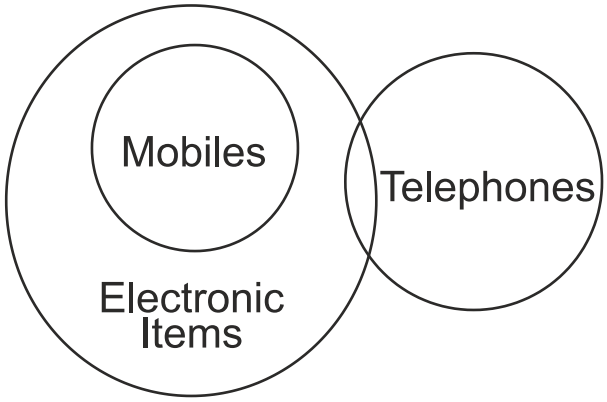
Option 2:
Only conclusion I follows

Option 3:
Only conclusion II follows

Option 4:
Either conclusion I nor II follows

Correct Answer:
Either conclusion I nor II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): No mobile is a telephone – It is shown in the diagram that the circles of mobiles and telephones don't overlap. As there is no definite relation is given between them. So, this conclusion doesn't follow.
Conclusion (II): Some mobiles are telephones – It is shown in the diagram that the circles of mobiles and telephones don't overlap. As there is no definite relation is given between them. So, this conclusion doesn't follow.
But some and no make an either-or conclusion.

So, either conclusion I or II follows. Hence, the **fourth option** is correct.

Q. 187

Directions: Two Statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All sparrows are birds.

Some owls are birds.

Conclusions:

I. No sparrow is an owl.

II. Some sparrows are owls.

Option 1:
Only conclusion II follows

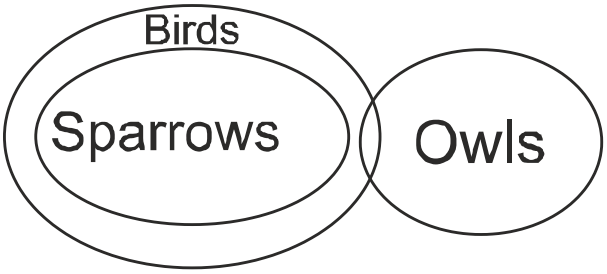
Option 2:
Both conclusions I and II follow

Option 3:
Only conclusion I follows

Option 4:
Either conclusion I or II follows

Correct Answer:
Either conclusion I or II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): No sparrow is an owl – According to the Venn diagram, there is no definite relation between sparrow and owl. Therefore, no sparrow is an owl is a false conclusion.
Conclusion (II): Some sparrows are owls – According to the Venn diagram, there is no definite relation between sparrows and owls. Therefore, some sparrows are owl is a false conclusion.
Some and no make an either-or conclusion.

So, either conclusion I or conclusion II follows. Hence, the **fourth option** is correct.

Q. 188

Directions: Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All aeroplanes are cars.

All helicopters are cars.

All cars are scooters.

Conclusions:

I. All helicopters are scooters.

II. Some aeroplanes are helicopters.

III. No aeroplane is a helicopter.

Option 1:

Only conclusions I and III follow

Option 2:

Only conclusions I and II follow

Option 3:

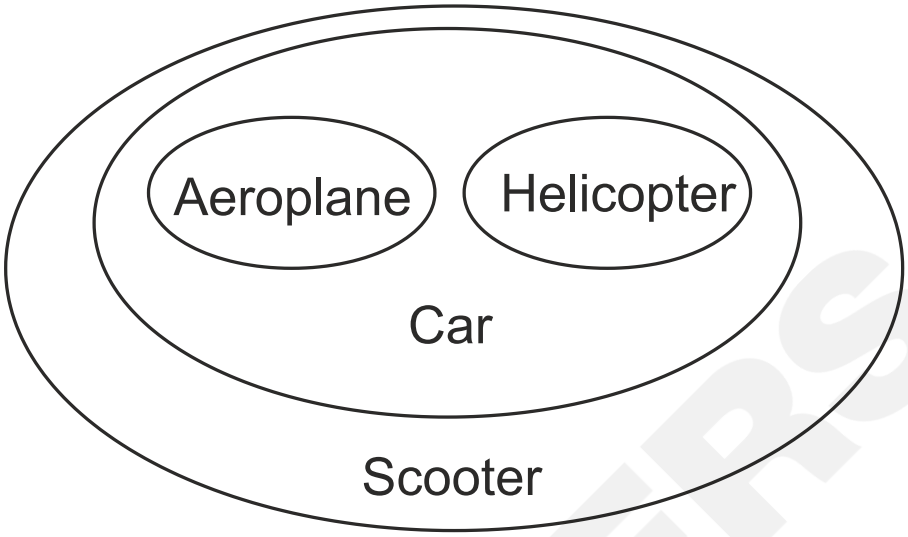
Conclusion II and either conclusion I or III follow

Option 4:

Conclusion I and either conclusion II or III follow

Correct Answer:
Conclusion I and either conclusion II or III follow

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All helicopters are scooters – From the given Venn diagram, the circle of the helicopter is completely inside the circle of the car. Therefore, this conclusion is true.
Conclusion (II): Some aeroplanes are helicopters – From the given Venn diagram, there is no definite relation between aeroplanes are helicopters. Therefore, this conclusion is false.
Conclusion (III): No aeroplane is a helicopter – From the given Venn diagram, there is no definite relation between aeroplanes are helicopters. Therefore, this conclusion is false.

So, the conclusion I and either conclusion II or III follow. Hence, the **fourth option** is correct.

Q. 189

Directions: Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some festivals are fireworks.

No cracker is a firework.

No bomb is a festival.

Conclusions:

I. No bomb is a cracker.

II. Some bombs are crackers.

Option 1:
Both conclusions I and II follow

Option 2:
Neither conclusion I nor II follows

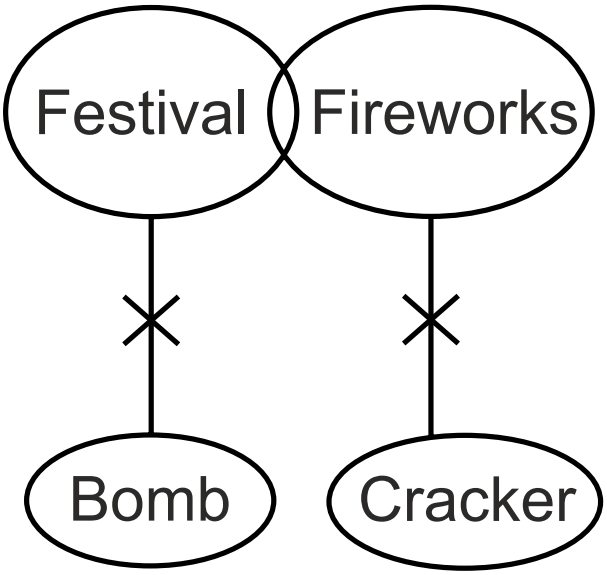
Option 3:
Either conclusion I or II follows

Option 4:
Only conclusion II follows

Correct Answer:
Either conclusion I or II follows

Solution:

The possible Venn diagram, according to the given statements is as follows –



Let's analyze the conclusions –

Conclusion (I): No bomb is a cracker – It is a possibility that the circle representing bomb and cracker does not overlap. But this is not definite. Thus, this conclusion does not follow.

Conclusion (II): Some bombs are crackers – It is a possibility that the circles representing bombs and crackers overlap. But this is not definite. Thus, this conclusion does not follow.

Since some + no is a complimentary pair. So, either conclusion I or II follows. Hence, the **third option** is correct.

Q. 190

Directions: Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some pictures are prizes.

Some prizes are erasers.

Some erasers are helmets.

Conclusions:

I. Some helmets are prizes.

II. Some erasers are pictures.

III. No helmet is a prize.

Option 1:

Either conclusion II or III follows

Option 2:

Only conclusions II and III follow

Option 3:

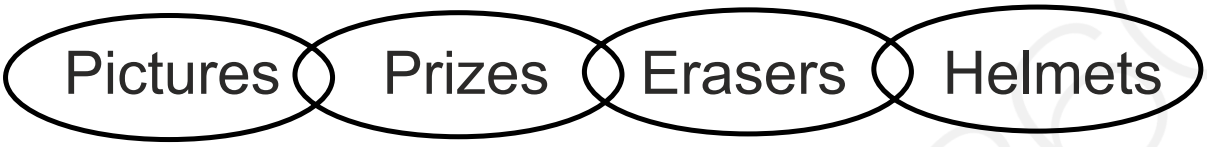
Only conclusion II follows

Option 4:

Either conclusion I or III follows

Correct Answer:
Either conclusion I or III follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyze the conclusions –
Conclusion I: Some helmets are prizes – It is a possibility that the circle representing helmets and prizes overlap. But this is not definite. Thus, this conclusion does not follow.
Conclusion II: Some erasers are pictures – From the Venn diagram, it is evident that there is no definite relation between erasers and pictures. Thus, this conclusion does not follow.
Conclusion III: No helmet is a prize – It is a possibility that the circle representing helmets and prizes does not overlap. But this is not definite. Thus, this conclusion does not follow.

Since some + no is a complimentary pair. So, either conclusion I or III follows. Hence, the **fourth option** is correct.

Q. 191

Directions: In this question, three statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follows/follow from the statements

Statements:

I. No dean is a teacher.

II. All teachers are professors.

III. No professor is a lecturer.

Conclusions:

I. Some deans are lecturers.

II. Some teachers are lecturers.

Option 1:
Only conclusion II follows

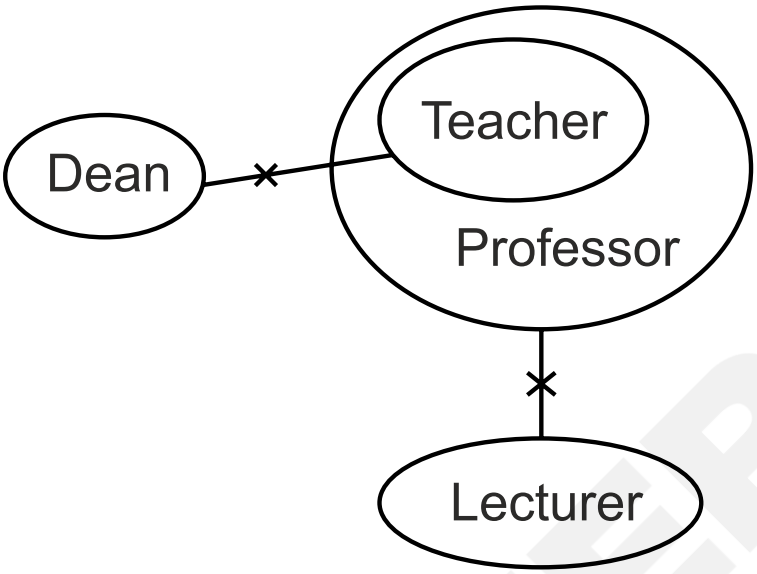
Option 2:
Only conclusion I follows

Option 3:
Both conclusions I and II follow

Option 4:
Neither conclusion I nor II follows

Correct Answer:
Neither conclusion I nor II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyze the conclusions –
Conclusion I: Some deans are lecturers – From the Venn diagram, it is evident that there is no definite relation between deans and lecturers. Thus, this conclusion does not follow.
Conclusion II: Some teachers are lecturers – Since no professor is a lecturer and all teachers are professors, so some teachers can never be lecturers. Thus, this conclusion does not follow.

So, neither conclusion I nor II follows. Hence, the **fourth option** is correct.

Q. 192

Directions: Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some pilots are cutes.

All ballers are cutes.

Conclusions:

I. All cutes are ballers.

II. Some pilots are ballers.

Option 1:

Neither conclusion I nor II follows

Option 2:

Only conclusion I follows

Option 3:

Only conclusion II follows

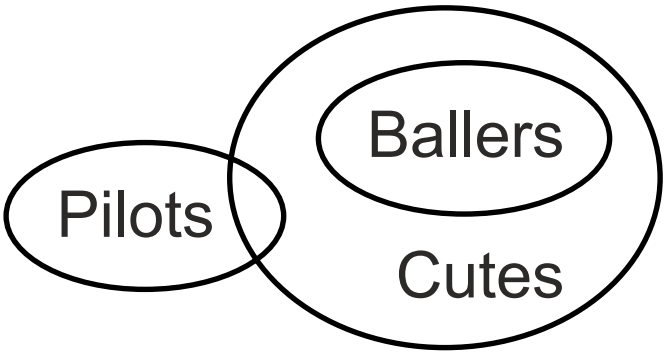
Option 4:

Both conclusions I and II follow

Correct Answer:

Neither conclusion I nor II follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All cutes are ballers – From the Venn diagram, it is evident that some parts of the circle representing cutes lie inside the circle representing ballers while some lie outside. Thus, this conclusion does not follow.
Conclusion (II): Some pilots are ballers – From the Venn diagram, it is evident that there is no definite relation between pilots and ballers. Thus, this conclusion does not follow.

So, neither conclusion I nor II follows. Hence, the **first option** is correct.

Q. 193

Directions: Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All chips are lays.

Some lays are snacks.

Conclusions:

I. All lays are chips.

II. All chips are snacks.

Option 1:

Both conclusions I and II follow

Option 2:

Only conclusion II follows

Option 3:

Neither conclusion I nor II follows

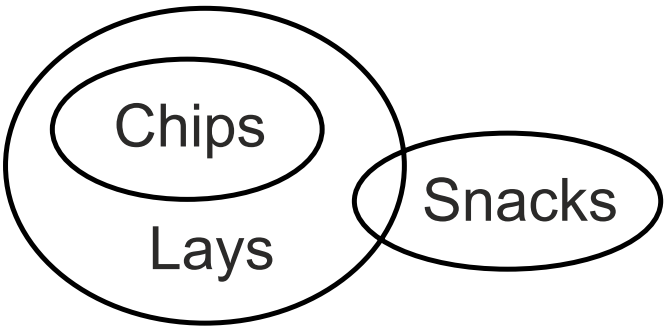
Option 4:

Only conclusion I follows

Correct Answer:

Neither conclusion I nor II follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All lays are chips – From the Venn diagram, it is evident that some parts of the circle representing lays lie inside the circle representing chips while some lie outside. Thus, this conclusion does not follow.
Conclusion (II): All chips are snacks – From the Venn diagram, it is evident that there is no definite relation between chips and snacks. Thus, this conclusion does not follow.

So, neither conclusion I nor II follows. Hence, the **third option** is correct.

Q. 194

Directions: Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which conclusions logically follow(s) from the statements.

Statements:

Some mocks are exams.

Some exams are banks.

No bank is local.

Conclusions:

I. Some mocks are local.

II. No mock is a local.

Option 1:
Neither conclusion I nor II follows

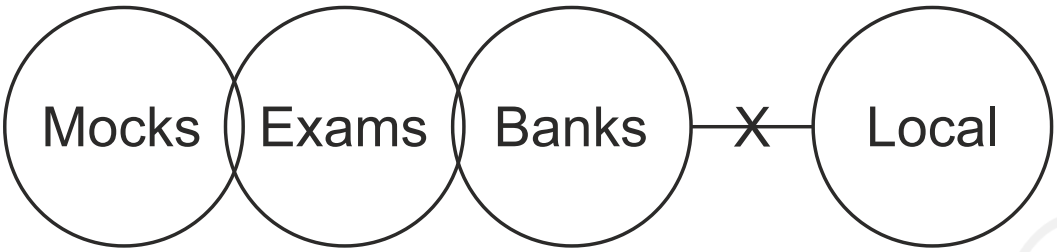
Option 2:
Only conclusion I follows

Option 3:
Only conclusion II follows

Option 4:
Either conclusion I or II follows

Correct Answer:
Either conclusion I or II follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some mocks are local – From the Venn diagram, it is evident that there is no definite relation between mocks and local. Thus, this conclusion does not follow.
Conclusion (II): No mock is a local – From the Venn diagram, it is evident that there is no definite relation between mocks and local. Thus, this conclusion does not follow.

So, in that case, either conclusion I or II follows. Hence, the **fourth option** is correct.

Q. 195

Directions: Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All cricketers are sportspersons.

Some players are sportspersons.

Conclusions:

I. No cricketer is a player.

II. Some cricketers are players.

Option 1:
Only conclusion I follows

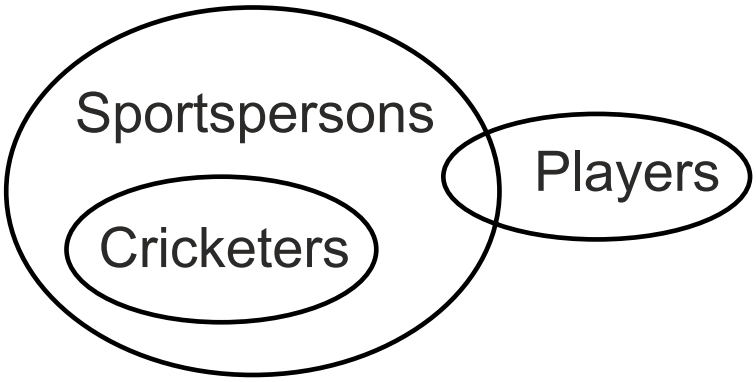
Option 2:
Only conclusion II follows

Option 3:
Either conclusion I or II follows

Option 4:
Both conclusions I and II follow

Correct Answer:
Either conclusion I or II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusion –
Conclusion (I): No cricketer is a player – As shown in the diagram, the circles of cricketers and players are independent and the diagram doesn't define any relation between them. So, this conclusion doesn't follow.
Conclusion (II): Some cricketers are players – As shown in the diagram, the circles of cricketers and players are independent and the diagram doesn't define any relation between them. So, this conclusion doesn't follow.

Some + No is a complimentary pair, it can be concluded that either conclusion I or conclusion II follows. Hence, the **third option** is correct.

Q. 196

Directions: Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All pens are tables.

All rubbers are pens.

Conclusions:

I. All pens are rubbers.

II. All tables are pens.

III. No rubber is a table.

Option 1:
Both conclusions II and III follow

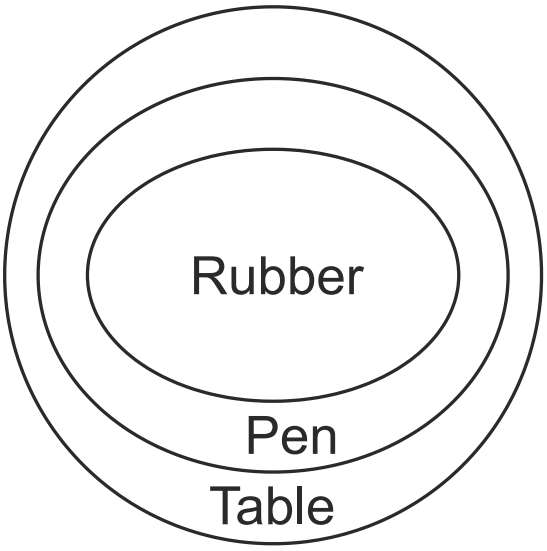
Option 2:
All conclusions follow

Option 3:
Only conclusion III follows

Option 4:
Neither conclusion follows

Correct Answer:
Neither conclusion follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): All pens are rubbers- As shown in the diagram, all rubbers are pens which means that some pens are rubber. So, this conclusion doesn't follow.
Conclusion (II): All tables are pens - As shown in the diagram, all pens are tables which means some tables are pens. So, this conclusion doesn't follow.
Conclusion (III): No rubber is a table - As shown in the diagram, all rubbers are tables as the circle of rubber is in the circle of the table. So, this conclusion doesn't follow.

So, neither of the conclusions follows. Hence, the **fourth option** is correct.

Q. 197

Directions: Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which conclusions logically follow(s) from the statements.

Statements:

I. Some tyres are bats.

II. All tyres are laws.

Conclusions:

I. All laws are bats.

II. All bats are tyres.

Option 1:
Both conclusions I and II follow

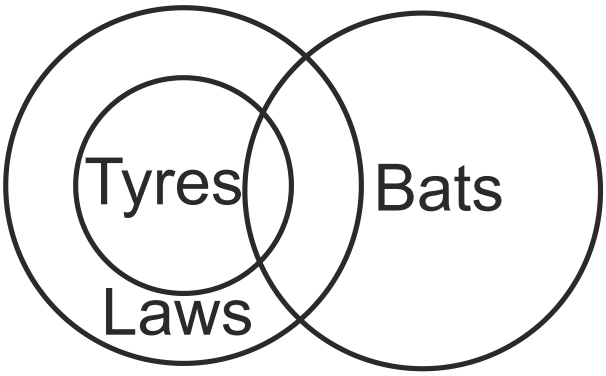
Option 2:
Only conclusion I follows

Option 3:
Only conclusion II follows

Option 4:
Neither conclusion I nor II follows

Correct Answer:
Neither conclusion I nor II follows

Solution:
The possible Venn diagram, according to the given statements is as follows –



Let analyse the conclusions –
Conclusion (I): All laws are bats – From the Venn diagram, it is evident that the circles representing laws and bats overlap and have some parts of their area in common. Thus, it can be concluded that some laws are bats. Thus, this conclusion doesn't follow.
Conclusion (II): All bats are tyres – From the Venn diagram, it is evident that the circles representing bats and tyres overlap and have some parts of their area in common. Thus, it can be concluded that some bats are tyres. Thus, this conclusion doesn't follow.

So, neither conclusion I nor II follows. Hence, the **fourth option** is correct.

Q. 198

Directions: Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

I. No B is L.

II. No C is B.

Conclusions:

I. Some L are C.

II. Some B are C.

Option 1:
Both conclusions I and II follow

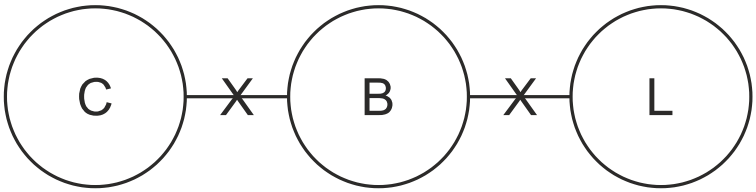
Option 2:
Only conclusion I follows

Option 3:
Neither conclusion I nor II follows

Option 4:
Only conclusion II follows

Correct Answer:
Neither conclusion I nor II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions:
Conclusions (I): Some L are C - In the above diagram it is clearly shown that circles of L and C are independent. It doesn't define any relation between them. So, this conclusion doesn't follow.
Conclusion (II): Some B are C - In the above diagram it is clearly shown that a relation of no is given between B and C and if it is clear that no B are C or vice versa so some B are C is not true and this conclusion doesn't follow.

So, neither I nor conclusion II follows. Hence, the **third option** is correct.

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Q. 199

Directions: Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some fans are bulbs.

Some bulbs are tube lights.

Some tube lights are coolers.

Conclusions:

I. Some fans are coolers.

II. Some tube lights are fans.

Option 1:
Only conclusion II follows

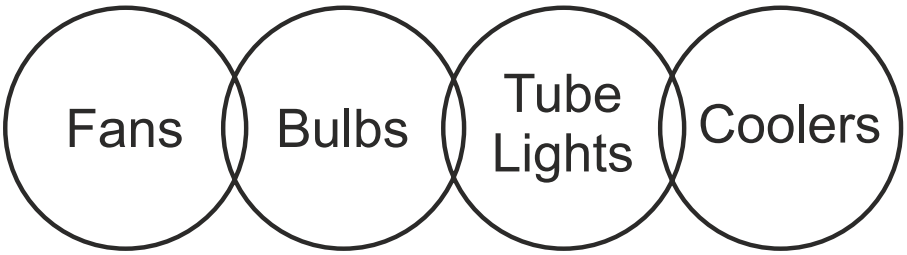
Option 2:
Only conclusion I follows

Option 3:
Both conclusions I and II follow

Option 4:
Neither conclusion I nor II follows

Correct Answer:
Neither conclusion I nor II follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some fans are coolers – From the above diagram, it is clear that circles of fans and coolers are independent. It doesn't define any relation between them. So, this conclusion doesn't follow.
Conclusion(II): Some tube lights are fans – From the above diagram, it is clear that circles of tube lights and fans are independent. It doesn't define any relation between them. So, this conclusion doesn't follow.

So, neither conclusion I nor II follows. Hence, the **fourth option** is correct.

Q. 200

Directions: Two Statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Most red are yellow.

Some yellow are green.

Conclusions:

I. Some green are yellow.

II. Some green is red.

Option 1:

Neither conclusion I nor II follows

Option 2:

Only conclusion II follows

Option 3:

Both conclusions I and II follow

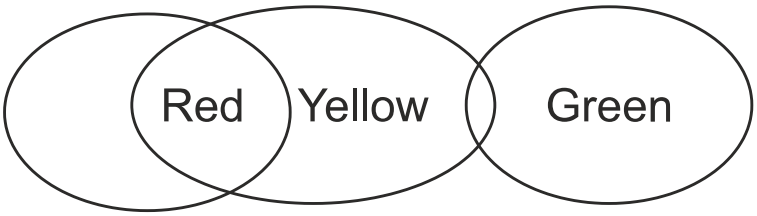
Option 4:

Only conclusion I follows

Correct Answer:

Only conclusion I follows

Solution:
The possible Venn diagram according to the given statements is as follows –



Let's analyse the conclusions –
Conclusion (I): Some green are yellow – According to the Venn diagram, some parts of the circle of green intersect with the circle of yellow and have some common parts between them. Therefore, some green are yellow is true conclusion.
Conclusion (II): Some green is red – According to the Venn diagram, there is no direct relation between green and red. Therefore, some green are red is a false conclusion.

So, the only conclusion I follows. Hence, the **fourth option** is correct.