

# **CAREERS** 360

## **PRACTICE** **Series**

# **SNAP 2025**

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# **Sample Paper**

by Hitbullseye

# Contents

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- b. 500+ Most Important Idioms and Phrases
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**Directions of Test**

<b>Test Name</b>	Diagnostic Test - SNAP	<b>Total Questions</b>	60	<b>Total Time</b>	60 Mins
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Section Name	No. of Questions	Marks per Question	Negative Marking
Quantitative, Data Interpretation & Data Sufficiency	20	1	1/4
General English: Reading Comprehension, Verbal Reasoning, Verbal Ability	15	1	1/4
Analytical & Logical Reasoning	25	1	1/4

**Section : Quant & DI**

**DIRECTION for the question:** Solve the following question and mark the best possible option.

**Question No. : 1**

Due to 20% hike in bus fare, a 10% fall in the passenger traffic was recorded. Yet the daily collection of a bus depot increased by Rs. 150. What was the daily collection of the bus depot after the fare hike?

- A) Rs. 2,100   B) Rs. 2,250   C) Rs. 2,025   D) Rs. 1,875

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 2**

Two cm of rain has fallen on a square km of land. Assuming that 50% of the raindrops could have been collected and contained in a pool having a 100 m × 10 m base, by what level would the water level in the pool have increased?

- A) 1 km   B) 10 m   C) 10 cm   D) 1 m

**DIRECTIONS for the question:** Answer the following question as per the best of your judgment.

**Question No. : 3**

A square ABCD is inscribed in a circle of radius R. Another circle is inscribed in ABCD and a square EFGH is inscribed in this circle. The side EF is equal to

- A) R   B)  $R/\sqrt{2}$    C)  $R/2$    D)  $R\sqrt{2}$

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 4**

If a, b, c are three positive integers such that a and b are in the ratio 3 : 4 while b and c are in the ratio 2:1, then which one of the following is a possible value of (a + b + c)?

- A) 201   B) 205   C) 207   D) 210

**DIRECTIONS for the question :** Solve the following question and mark the best possible option.

**Question No. : 5**

Simplify  $\log_6(216) + [\log(42) - \log(6)]/\log(49)$

- A) 3/2   B) 1   C) 7/2   D) 5/2



**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 6**

After the division of a number successively by 3, 4, and 7, the remainders obtained are 2, 1 and 4 respectively. What will be the remainder if 84 divide the same number ?

- A) 80   B) 76   C) 41   D) 53

**DIRECTIONS for the question:** The question given below has a problem and four alternatives. You have to choose the best answer from the alternatives a, b, c and d.

**Question No. : 7**

The sum of the second and the fifth term of an AP is 8 and that of the third and the seventh term is 14. Find the eleventh term.

- A) 19   B) 17   C) 15   D) 16

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 8**

How many words each of two vowels and three consonants can be formed from the letters of the word "UNIVERSAL"?

- A) 7000   B) 7200   C) 7400   D) 7800

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 9**

A man walks from A to B and back in a certain time at the rate of 3.5 km per hour. But if he had walked from A to B at the rate of 3 km an hour and back from B to A at the rate of 4 km an hour, he would have taken 5 minutes longer. Find the distance between A and B.

- A) 14 km   B) 12 km   C) 6 km   D) 7 km

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 10**

If  $n = 7 + 4\sqrt{3}$ , then the value of  $\left(\sqrt{n} + \frac{1}{\sqrt{n}}\right)$  is

- A)  $2\sqrt{3}$    B) 4   C) -4   D)  $-2\sqrt{3}$

**DIRECTIONS for the question:** Answer the following question as per the best of your judgment.

**Question No. : 11**

A dealer sold a radio at a loss of 20%. Had he sold it for Rs. 100 more, he would have lost 15%. For what value should he sell it in order to gain 25%? Also find the initial cost price respectively.

- A) Rs. 2500 & Rs. 2000   B) Rs. 2000 & Rs. 2500   C) Rs. 2500 & Rs. 2300   D) Rs. 2000 & Rs. 3000

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 12**

Mona invests Rs. 50000 for 3 years at 5% p.a compound interest reckoned annually. A tax called 'hidden income tax' is deducted annually at the rate of 20% on the interest. Find the net interest after 3 years.

- A) Rs. 56243   B) Rs. 6243   C) Rs. 7881   D) Rs. 6202

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 13**

Amol was asked to calculate the arithmetic mean of ten positive integers each of which had two digits. By mistake, he interchanged the two digits, say a and b, in one of these ten integers. As a result, his answer for the arithmetic mean was 1.8 more than what it should have been. Then  $b - a$  equals

- A) 1   B) 2   C) 3   D) 4

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 14**

A speaks the truth 75% of the time he is asked something, while B speaks the truth 80% of the time when he is asked something. What are the chances of them contradicting each other when asked the same set of questions?

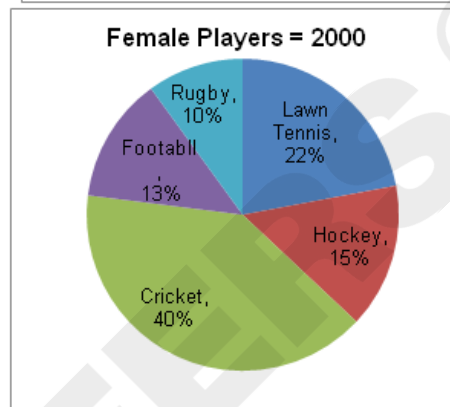
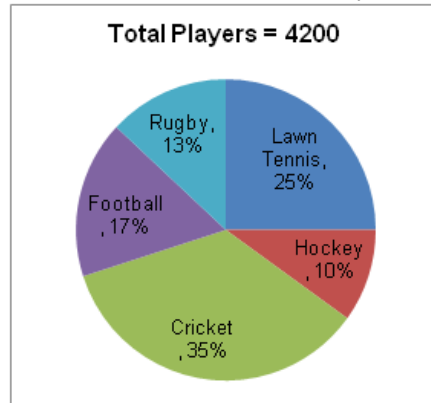
- A) 35%   B) 20%   C) 17%   D) 45%

**DIRECTIONS for the question:** Go through the pie chart/s given below and answer the question that follows.

**Question No. : 15**

**PERCENTAGEWISE DISTRIBUTION OF PLAYERS WHO PLAY FIVE DIFFERENT SPORTS**

**Total Players are 4200 out of which Female Players are equal to 2000**



What is the difference between the number of the female players who play lawn tennis and the number of male players who play rugby?

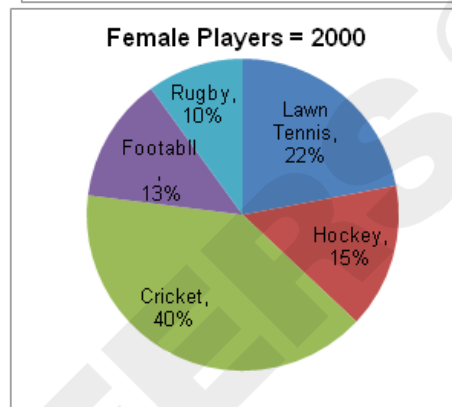
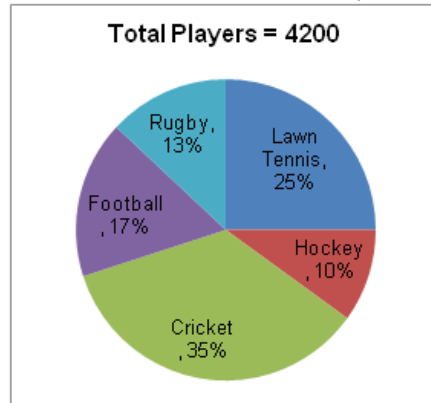
- A) 94   B) 84   C) 220   D) 240

**DIRECTIONS for the question:** Go through the pie chart/s given below and answer the question that follows.

**Question No. : 16**

**PERCENTAGEWISE DISTRIBUTION OF PLAYERS WHO PLAY FIVE DIFFERENT SPORTS**

**Total Players are 4200 out of which Female Players are equal to 2000**



What is the total number of male players who play football, cricket and lawn tennis together?

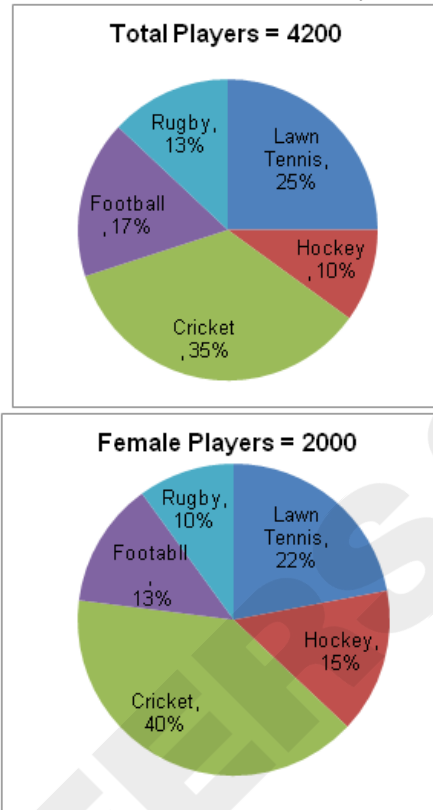
- A) 1724   B) 1734   C) 1824   D) Other than those given as options

**DIRECTIONS for the question:** Go through the pie chart/s given below and answer the question that follows.

**Question No. : 17**

**PERCENTAGEWISE DISTRIBUTION OF PLAYERS WHO PLAY FIVE DIFFERENT SPORTS**

Total Players are 4200 out of which Female Players are equal to 2000



What is the respective ratio of the number of female players who play cricket and number of male players who play hockey?

- A) 20: 7    B) 4: 21    C) 20: 3    D) Other than those given as options

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 18**

The letters of the word PROMISE are to be arranged so that no two of the vowels should come together. Find total number of arrangements.

- A) 49    B) 1440    C) 7    D) 1898

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 19**

In a class, 62 boys fail both in English and Mathematics. 58 boys fail only in Mathematics. 34 boys fail only in English. If the percentage of boys failing overall is 40 percent, find the strength of the class?

- A) 385    B) 360    C) 315    D) 345

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 20**

Four gardeners with four grass mowers can mow 400 square meters of ground in four hours. How long would it take for eight gardeners with eight grass mowers to mow 800 square meters of ground?

- A) 8 hours    B) 6 hours    C) 12 hours    D) 4 hours

**Section : Verbal Usage & Reading Comprehension**

**DIRECTIONS for the question:** Choose the word from the options which is most **Similar** in meaning to the given word.

**Question No. : 21**

Veracious

- A) False    B) Varied    C) Image    D) Truthful

**DIRECTIONS for the question:** Identify the meaning of the idiom/ phrase as used in the sentence.

**Question No. : 22**

**I racked my brains** to solve this difficult problem.

- A) I read a large number of books    B) I consulted several people    C) I used my commonsense  
D) I subjected my mind to hard thinking

**DIRECTIONS for the question:** Choose the word from the options which is **Opposite** in meaning to the given word.

**Question No. : 23**

Magnanimous

- A) big    B) cruel    C) snobbish    D) selfish

**DIRECTIONS for the question:** A set of four words is given. Three of the words are related in some way, the remaining word is not related to the rest. Pick the word which does not fit in the relation.

**Question No. : 24**

- A) temporal    B) ephemeral    C) transient    D) eternal

**DIRECTIONS for the question:** In the question, the word at the top of the table is used in four different ways, numbered A to D. You have to indicate the options having the correct usage.

**Question No. : 25**

- |                 |   |
|-----------------|---|
| I. Adjective    | V. The fire engine came rushing <b>down</b> the hill. |
| II. Preposition | VI. He has seen the ups and <b>downs</b> of life.     |
| III. Noun       | VII. <b>Down</b> with the tyrant!                     |
| IV. Verb        | VIII. The porter was hit by the <b>down</b> train.    |

- A) I-VIII, II-V, III-VI, IV-VII    B) I-VI, II-V, III-VIII, IV-VII    C) I-V, II-VI, III-VII, IV-VIII    D) I-V, II-VII, III-VI, IV-VIII

**DIRECTIONS for the question:** For the pair of sentences below choose the right option.

**Question No. : 26**

1. Can you imagine his forgetting his own birthday?
2. Can you imagine him forgetting his own birthday?

- A) if the first sentence is correct    B) if the second sentence is correct    C) if both sentences are correct  
D) if both sentences are wrong

**DIRECTIONS for the question:** For the pair of sentences below choose the right option.

**Question No. : 27**

1. Recently I read about a unique wedding that took place in the newspaper.
2. Recently I read in the newspaper about a unique wedding that took place.

- A) if the first sentence is correct    B) if the second sentence is correct    C) if both sentences are correct  
D) if both sentences are wrong

**DIRECTIONS for the question:** Choose the most logical order of sentences from among the given choices to construct a coherent paragraph.

**Question No. : 28**

- A. The units will have ultra-luxurious specifications like personal swimming pools, gyms and lounge bars within individual homes.
- B. High-end luxury properties or boutique homes are constructed in limited numbers in high-profile locations that are in high demand among the super rich.
- C. These exclusive projects have no more than 5-10 units in each category.
- D. As per latest trends, 'luxury boutique homes' are selling a lot better today than 'volume luxury properties' since there is scarcity in this segment.
- E. Developers with foresight are also providing the options to customers to design their homes or customize their homes, based on the individual buyer's preferences.

- A) DBAEC    B) BACDE    C) DBCAE    D) DEABC

**DIRECTIONS for the question:** Choose the option which is grammatically correct and expresses the meaning of sentence correctly.

**Question No. : 29**

- A) If you would have taken care you wouldn't have got typhoid    B) If you took care you wouldn't have got typhoid  
C) If you take care you wouldn't have got typhoid    D) If you had taken care you wouldn't have got typhoid

**DIRECTIONS for the question:** Solve the question and mark the appropriate answer.

**Question No. : 30**

Identify the figures of speech in the following sentences:

Death lays his icy hand on kings.

- A) Personification    B) Exclamation    C) Simile    D) Anticlimax

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 31**

Today's developing economies use much less energy per capita than developed countries such as the United States did at similar incomes, showing the potential for lower-carbon growth. Adaptation and mitigation need to be integrated into a climate-smart development strategy that increases resilience, reduces the threat of further global warming, and improves development outcomes. Adaptation and mitigation measures can advance development, and prosperity can raise incomes and foster better institutions. A healthier population living in better-built houses and with access to bank loans and social security is better equipped to deal with a changing climate and its consequences. Advancing robust, resilient development policies that promote adaptation is needed today because changes in the climate, already begun, will increase even in the short term.

The spread of economic prosperity has always been intertwined with adaptation to changing ecological conditions. But as growth has altered the environment and as environmental change has accelerated, sustaining growth and adaptability demands greater capacity to understand our environment, generate new adaptive technologies and practices, and diffuse them widely. As economic historians have explained, much of humankind's creative potential has been directed at adapting to the changing world. But adaptation cannot cope with all the impact related to climate' change, especially as larger changes unfold in the long term. Countries cannot grow out of harm's way fast enough to match the changing climate. And some growth strategies, whether driven by the governments the market, can also add to vulnerability — particularly if they overexploit natural resources. Under the Soviet development plan, irrigated cotton cultivation expanded in water-stressed Central Asia and led to the near disappearance of the Aral Sea, threatening the livelihoods of fishermen, herders and farmers. And clearing mangroves — the natural coastal buffers against storm surges —to make way for intensive farming or housing development, increases the physical vulnerability of coastal settlements, whether in Guinea or in Louisiana.

Which of the following conditions of growth can add to vulnerability?

- a. When the growth occurs due to excessive exploitation of mineral resources and forests,
- b. When the growth brings about a change in humankind's creative potential.
- c. When the growth is envisaged only for providing houses and social security to the people.
- d. When the growth occurs due to emphasis on farming only.

Select the correct answer using the codes given below:

- A) a only    B) b, c and d only    C) a and d only    D) a, b, c and d



**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 32**

Today's developing economies use much less energy per capita than developed countries such as the United States did at similar incomes, showing the potential for lower-carbon growth. Adaptation and mitigation need to be integrated into a climate-smart development strategy that increases resilience, reduces the threat of further global warming, and improves development outcomes. Adaptation and mitigation measures can advance development, and prosperity can raise incomes and foster better institutions. A healthier population living in better-built houses and with access to bank loans and social security is better equipped to deal with a changing climate and its consequences. Advancing robust, resilient development policies that promote adaptation is needed today because changes in the climate, already begun, will increase even in the short term.

The spread of economic prosperity has always been intertwined with adaptation to changing ecological conditions. But as growth has altered the environment and as environmental change has accelerated, sustaining growth and adaptability demands greater capacity to understand our environment, generate new adaptive technologies and practices, and diffuse them widely. As economic historians have explained, much of humankind's creative potential has been directed at adapting to the changing world. But adaptation cannot cope with all the impact related to climate' change, especially as larger changes unfold in the long term. Countries cannot grow out of harm's way fast enough to match the changing climate. And some growth strategies, whether driven by the governments the market, can also add to vulnerability — particularly if they overexploit natural resources. Under the Soviet development plan, irrigated cotton cultivation expanded in water-stressed Central Asia and led to the near disappearance of the Aral Sea, threatening the livelihoods of fishermen, herders and farmers. And clearing mangroves — the natural coastal buffers against storm surges —to make way for intensive farming or housing development, increases the physical vulnerability of coastal settlements, whether in Guinea or in Louisiana.

What does low-carbon growth imply in the present context?

- a. More emphasis on the use of renewable sources of energy.
- b. Less emphasis on manufacturing sector and more emphasis on agriculture sector.
- c. Switching over from monoculture practices to mixed farming.
- d. Less demand for goods and services.

Select the correct answer using the codes given below:

- A) a only    B) b, c and d only    C) a and d only    D) None of the above implies low-carbon growth

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 33**

Today's developing economies use much less energy per capita than developed countries such as the United States did at similar incomes, showing the potential for lower-carbon growth. Adaptation and mitigation need to be integrated into a climate-smart development strategy that increases resilience, reduces the threat of further global warming, and improves development outcomes. Adaptation and mitigation measures can advance development, and prosperity can raise incomes and foster better institutions. A healthier population living in better-built houses and with access to bank loans and social security is better equipped to deal with a changing climate and its consequences. Advancing robust, resilient development policies that promote adaptation is needed today because changes in the climate, already begun, will increase even in the short term.

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Which of the following conditions is/are necessary for sustainable economic growth?

- a. spreading of economic prosperity more.
- b. Popularising/spreading of adaptive technologies widely.
- c. Investing on research in adaptation and mitigation technologies.

Select the correct answer using the codes given below:

- A) a only    B) b and c only    C) a and c only    D) a, b and c

**DIRECTIONS for the question :** Read the passage and answer the question based on it.

**Question No. : 34**

Today's developing economies use much less energy per capita than developed countries such as the United States did at similar incomes, showing the potential for lower-carbon growth. Adaptation and mitigation need to be integrated into a climate-smart development strategy that increases resilience, reduces the threat of further global warming, and improves development outcomes. Adaptation and mitigation measures can advance development, and prosperity can raise incomes and foster better institutions. A healthier population living in better-built houses and with access to bank loans and social security is better equipped to deal with a changing climate and its consequences. Advancing robust, resilient development policies that promote adaptation is needed today because changes in the climate, already begun, will increase even in the short term.

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Which of the following inferences can be made from the passage?

- a. Rainfed crops should not be cultivated in irrigated areas.
- b. Farming under water-deficient areas should not be a part of development strategy.

Select the correct answer using the codes given below:

- A) a only    B) b only    C) Both a and b    D) Neither a nor b

**DIRECTIONS for the question:** Solve the question and mark the appropriate answer.

**Question No. : 35**

- 1. Geography - a. noun
- 2. Sincere - b. adjective
- 3. argue - c. verb
- 4. vicariously - d. adverb

- A) 1-d,2-b,3-c,4-d    B) 1-a,2-b,3-c,4-d    C) 1-c,2-a,3-b,4-d    D) 1-b,2-d,3-a,4-c

**Section : Analytical & Logical Reasoning**

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 36**

If  $X + Y$  means X is the mother of Y;  $X - Y$  means X is the brother Y;  $X \% Y$  means X is the father of Y and  $X \times Y$  means X is the sister of Y, which of the following shows that P is the maternal uncle of Q?

- A)  $Q - N + M \times P$     B)  $P + S \times N - Q$     C)  $P - M + N \times Q$     D)  $Q - S \% P$

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 37**

In a joint family of seven persons L, M, N, O, P, Q and R, two are married couple. 'R' is a housewife and her husband is a lawyer. 'N' is the wife of 'M', 'L' is an engineer and is the grand-daughter of 'R' and 'O' is the father-in-law of 'N', a doctor, and father of 'P', a professor. 'Q' is L's brother and M's son.

Who is M's father?

- A) O B) R C) N D) P

**DIRECTIONS for the question:** In this question, the first two words are related in a particular manner. You have to choose a word from the options so that a new pair of words is formed where the relation is the same as in the case of the given pair of words. The question stem has the first word of the second pair. You may have to consider the secondary meaning of certain words while choosing an answer.

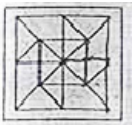
**Question No. : 38**

Piety : Pilgrim :: Curiosity : \_\_\_\_\_

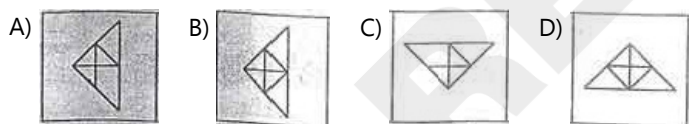
- A) Explorer B) Pinchpenny C) Gamester D) Monk

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 39**



Which of the given choices contains a figure, which is hidden in the picture given above?



**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 40**

ADCB : KNML :: EHGf : ?

- A) ORQP B) RUST C) QRST D) ZYXW

**DIRECTION for the question:** Solve the following question and mark the best option.

**Question No. : 41**

16 January 1997 was a Thursday. What day of the week was 4 January 2000?

- A) Tuesday B) Wednesday C) Thursday D) Friday

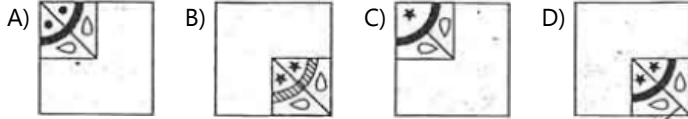


**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 42**



Which of the following figures will complete the question figure?



**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 43**

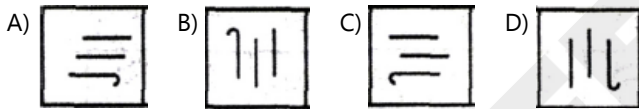
Find out missing number in the given series.

1, 9, 17, 33, 49, 73,...

A) 89 B) 121 C) 145 D) 97

**DIRECTIONS for the question:** Go through all the option and mark the one which is odd.

**Question No. : 44**



**DIRECTION for the question:** Solve the following question and mark the best possible option.

**Question No. : 45**

There are 100 MBA aspirants in a classroom and 99% of them are engineers. How many engineers must leave the classroom in order to reduce the percentage of engineers in the classroom to 98% ?

A) 1 B) 2 C) 50 D) 90

**DIRECTION for the question:** Solve the following question and mark the best possible option.

**Question No. : 46**

Which letter from the options given will replace the " ? " in the table given below

CAT 389376 DOG  
RAT 1758276 MAT  
CAB 15876 FAN  
CAN 571536 ?

A) MAN B) GIFT C) PAN D) SOFT



**DIRECTION for the question:** Solve the following question and mark the best possible option.

**Question No. : 47**

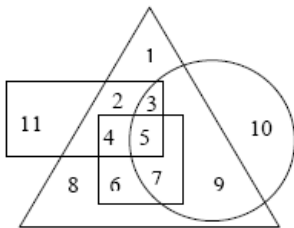
If : THEN : ?

- A)    B)    C) +    D) +

**DIRECTIONS for the question:** Solve the following question and mark the most appropriate option.

**Question No. : 48**

In the given diagram, circle represents professionals, square represents dancers, triangle represents musicians and rectangle represents Europeans. Different regions in the diagram are numbered 1 to 11. Who among the following is neither a dancer nor a musician but is professional and not a European?



- A) 11    B) 1    C) 10    D) 8

**DIRECTIONS for the question:** In the question given below which one of the answer figures should come after the problem figures given, if the sequence were continued?

**Question No. : 49**

What comes next in the series?



- A)    B)    C)    D)

**DIRECTIONS for the question:** Answer the following question as per the best of your judgment.

**Question No. : 50**

Assume that the moon takes exactly 30 days to complete the cycle and also assume that it rises in the East exactly at 6.48 p.m. on the first day. On the fourth day, at what time will it rise?

- A) 8.24 p.m.    B) 9.12 p.m.    C) 10.00 p.m.    D) 11.48 p.m.

**DIRECTIONS for the question: Solve the question and mark the best possible answer**

**Question No. : 51**

Start at one of the corner letters and spiral clockwise round the perimeter, finishing at the center letter to spell out a nine-letter word. Identify the missing letters in Row 1 and Row 2 to make a meaningful word.

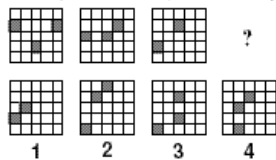
A	--	E
R	E	--
O	P	A

A) V, T   B) L, T   C) T, V   D) T, L

**DIRECTIONS for the question: Answer the following question as per the best of your judgment.**

**Question No. : 52**

Which image from the bottom row (1, 2, 3 or 4) should replace the question mark?



A) 1   B) 2   C) 3   D) 4

**DIRECTIONS for the question: Read the information given below and answer the question that follows.**

**Question No. : 53**

Six classes, one each of the six subjects - Physics, Chemistry, Biology, Maths, Statistics and English - are held in a school one after the other (not necessarily in the same order) abiding the following conditions.

- (i) Two classes are held between Chemistry and English.
- (ii) Neither Biology nor Physics is the first or the last class.
- (iii) The number of classes between Chemistry and Statistics is one more than that between Maths and Physics.
- (iv) The Chemistry class is held immediately after the Biology class and immediately before the Maths class.

If the Physics class is held immediately after the Maths class, then which of the following statements is true?

A) Statistics is the last class   B) Chemistry is the second class   C) Biology is the second class   D) Maths is the first class

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

**Question No. : 54**

Six classes, one each of the six subjects - Physics, Chemistry, Biology, Maths, Statistics and English - are held in a school one after the other (not necessarily in the same order) abiding the following conditions.

- (i) Two classes are held between Chemistry and English.
- (ii) Neither Biology nor Physics is the first or the last class.
- (iii) The number of classes between Chemistry and Statistics is one more than that between Maths and Physics.
- (iv) The Chemistry class is held immediately after the Biology class and immediately before the Maths class.

Which of the following statements is definitely true?

- A) English is the last class.    B) Physics is the fifth class    C) Biology is the second class.    D) Statistics is the first class.

**DIRECTIONS for the question:** Read the information given below and answer the question that follows.

**Question No. : 55**

Six classes, one each of the six subjects - Physics, Chemistry, Biology, Maths, Statistics and English - are held in a school one after the other (not necessarily in the same order) abiding the following conditions.

- (i) Two classes are held between Chemistry and English.
- (ii) Neither Biology nor Physics is the first or the last class.
- (iii) The number of classes between Chemistry and Statistics is one more than that between Maths and Physics.
- (iv) The Chemistry class is held immediately after the Biology class and immediately before the Maths class.

If English is not the last class, then which of the following gives the correct arrangement of classes?

- A) Statistics, Biology, Chemistry, Maths, Physics, English    B) English, Physics, Biology, Chemistry, Maths, Statistics  
C) Statistics, English, Physics, Biology, Chemistry, Maths    D) None of the above

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 56**

Which of the following gives the exact number of seconds in the last six complete weeks of 2014?

- A) 9!    B) 10!    C) 11!    D) 12!

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 57**

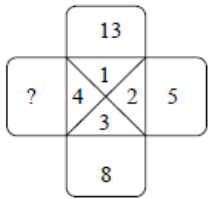
Number of times the hands of a clock are in a straight line ( $180^\circ$ ) every day is

- A) 44    B) 24    C) 42    D) 22



**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 58**



- A) 10   B) 11   C) 12   D) 13

**DIRECTIONS for the question:** After a few statements, conclusion/conclusions is/are given. Mark your answer as

**Question No. : 59**

**Statement**

One research study reveals that children's personality can't be understood without detailed study about their home environment.

**Conclusions**

- (I) Teachers' as well as parents' role are equally important for the betterment of the child.  
(II) Schools are ignoring the importance of home atmosphere.

- A) If only conclusion (I) follows   B) If only conclusion (II) follows   C) If either (I) or (II) follows  
D) If neither (I) nor (II) follows

**DIRECTIONS for the question:** Solve the following question and mark the best possible option.

**Question No. : 60**

The city K is 30 km to the southeast of Z while Y is 50 km to the northwest of K. Also, H is 38 km to the southeast of Y. L lies in the direct route between Y and K and its distance from H is 14 km. G also lies on this route and is exactly midway between L and Y.

A car starting from K at 9 a.m. and running at a constant speed towards Y reaches H at 9.24 a.m. and then reaches G at

- A) 9.18 a.m.   B) 10.16 a.m.   C) 10.36 a.m.   D) 10.42 a.m.

**QNo:- 1 ,Correct Answer:- C**

**Explanation:-** Let initial bus fare was Rs. 'B' and initial no. of passengers were 'P'

Thus total daily collection was Rs. 'B × P'

Now new bus fare is Rs. '1.2B' (increased by 20 %)

New number of passengers '0.9P' (decreased by 10 %)

Thus now daily collection = 1.2B × 0.9 P = 1.08 BP

According to question 1.08 B × P – B × P = 150

⇒ 0.08 B × P = 150 ⇒ B × P = 150 / 0.08 = 1875

Thus total daily collection after fare hike = 1875 + 150 = Rs. 2025

**QNo:- 2 ,Correct Answer:- B**

**Explanation:-**

Volume of rain water = Area of base  $\times$  height =  $1000000 \times \frac{2}{100} = 20000$  cu. Metre

Water stored in pool = 10000 cu. metre

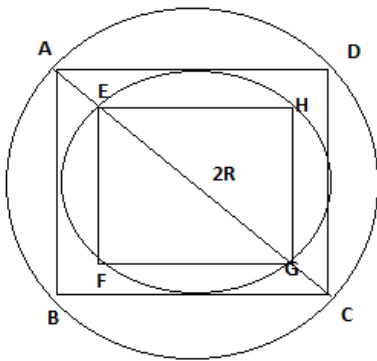
$\therefore$  required water level =  $\frac{10000}{1000} = 10$ metre

Hence the answer is option B

**QNo:- 3 ,Correct Answer:- A**

**Explanation:-**

The diameter of the circle becomes the diagonal of the first square. So the side AB of the first square is  $(2)^{1/2}R$ . This side becomes the diameter of the second circle as well as the diagonal of the second square. So the side of the second square will be R.



**QNo:- 4 ,Correct Answer:- C**

**Explanation:-**  $a : b = 3 : 4$  and  $b : c = 2 : 1$

Multiplying the second ratio by 2, we have

$a : b = 3 : 4$

$b : c = 4 : 2$

Therefore,  $a : b : c = 3 : 4 : 2$ .

$\Rightarrow a = 3k, b = 4k, c = 2k$ .

Since a, b and c are positive integers, their sum should be  $9k$ , a positive integer.

From the options, only choice (3), which is 207, is a multiple of 9.

**QNo:- 5 ,Correct Answer:- C**

**Explanation:-** We have  $\log_6(216) + [\log(42) - \log(6)]/\log(49)$

$= \log_6(6^3) + \log(42/6) / \log(7^2)$

$= 3 + \log(7)/2 \log(7) = 3 + 1/2 = 7/2$

Option C



**QNo:- 6 ,Correct Answer:- D**

**Explanation:-**

Since Dividend = Divisor × Quotient + Remainder, we have three divisors  $D_1, D_2, D_3$ , as 3,4,7 and their respective remainders as  $R_1, R_2, R_3$ , as 2,1,4. Taking quotient  $Q_3 = 1$ , we have  $D_3 \times Q_3 + R_3 = 7 \times 1 + 4 = 11$ . Now 11 becomes  $Q_2$  for  $D_2$  and so on. Now solving  $4 \times 11 + 1 = 45$ ,  $3 \times 45 + 2 = 137$ . Now when 84 divides 137 remainder is 53.

**QNo:- 7 ,Correct Answer:- A**

**Explanation:-**

From the given conditions we get the equations as

$$a_2 + a_5 = 8$$

$$a + d + a + 4d = 8$$

$$2a + 5d = 8 \quad \dots\dots\dots(1)$$

$$a_3 + a_7 = 14$$

$$a + 2d + a + 6d = 14$$

$$2a + 8d = 14 \quad \dots\dots\dots(2)$$

Solving these equations, we get  $a = -1$  and  $d = 2$ .

So, 11th term =  $a_{11} = (a + 10d) = (-1) + 20 = 19$ .

**QNo:- 8 ,Correct Answer:- B**

**Explanation:-** In the word UNIVERSAL, we have 4 vowels U, I, E and A and 5 consonants N, V, R, L and S. We have to find the no. of words using 2 vowels and 3 consonants.

$$\therefore \text{Total words} = {}^4C_2 \times {}^5C_3 \times 5! = 6 \times 10 \times 120 = 7200.$$

**QNo:- 9 ,Correct Answer:- D**

**Explanation:-**

ATQ, If distance between A & B is x km then

$$\frac{x}{3} + \frac{x}{4} = \frac{2x}{3.5} + \frac{5}{60}$$

$$\Rightarrow \frac{7x}{12} = \frac{4x}{7} + \frac{1}{12}$$

$$\Rightarrow \frac{49x - 48x}{12 \times 7} = \frac{1}{12} \Rightarrow x = 7 \text{ km.}$$

**QNo:- 10 ,Correct Answer:- B**

**Explanation:-**

$$n = 7 + 4\sqrt{3} = 7 + 2 \times 2 \times \sqrt{3}$$

$$= 4 + 3 + 2 \times 2 \times \sqrt{3}$$

$$= (2 + \sqrt{3})^2$$

$$\therefore \sqrt{n} = 2 + \sqrt{3}$$

$$\therefore \frac{1}{\sqrt{n}} = \frac{1}{2 + \sqrt{3}}$$

$$\therefore \frac{1}{\sqrt{n}} = \frac{1}{2 + \sqrt{3}}$$

$$= \frac{1}{2 + \sqrt{3}} \times \frac{2 - \sqrt{3}}{2 - \sqrt{3}} = 2 - \sqrt{3}$$

$$\therefore \sqrt{n} + \frac{1}{\sqrt{n}} = 2 + \sqrt{3} + 2 - \sqrt{3} = 4$$

Hence the answer is option B

**QNo:- 11 ,Correct Answer:- A**

**Explanation:-**

5% of the Cost Price = Rs. 100

⇒ Cost Price = Rs. 2000

Now, Profit required is 25% of 2000 = Rs. 500.

Thus, Selling Price = Rs. 2500.

**QNo:- 12 ,Correct Answer:- B**

**Explanation:-**

20% of the interest accrued is paid as tax. i.e. 80% of the interest amount is given. So, 80% of 5% = 4% p.a. will be the net interest rate.

$$\text{So, amount} = 50000 \left(1 + \frac{4}{100}\right)^3 = \text{Rs. } 56243.2$$

$$\text{Interest} = 56243.2 - 50000 = \text{Rs. } 6243.2$$

**QNo:- 13 ,Correct Answer:- B**

**Explanation:-**

$$(10b + a) - (10a + b) = 1.8 \times 10. \text{ So } b - a = 2.$$

**QNo:- 14 ,Correct Answer:- A**

**Explanation:-**

A and B will contradict each other when exactly one of them speaks the truth and the other one tells a lie. The probability that A speaks the truth and B lies is  $\frac{3}{4} \times \frac{1}{5} = \frac{3}{20}$ , while the probability that A lies and B speaks the

truth is  $\frac{1}{4} \times \frac{4}{5} = \frac{4}{20}$ . So the probability that A and B contradict each other is  $\frac{3}{20} + \frac{4}{20} = \frac{7}{20}$ .

Thus the chances of A and B contradicting each other are 35%.

**QNo:- 15 ,Correct Answer:- A**

**Explanation:-**

Games	Males	Females	Total
Rugby	346	200	546
Lawn Tennis	610	440	1050
Hockey	120	300	420
Cricket	670	800	1470
Football	454	260	714
Total	2200	2000	4200

using above table we get required difference = 440 - 346 = 94

option A is the answer



**QNo:- 16 ,Correct Answer:- B**

**Explanation:-**

Games	Males	Females	Total
Rugby	346	200	546
Lawn Tennis	610	440	1050
Hockey	120	300	420
Cricket	670	800	1470
Football	454	260	714
Total	2200	2000	4200

By using table, we get required value as =  $454 + 670 + 610 = 1734$ . Hence option B is the answer.

**QNo:- 17 ,Correct Answer:- C**

**Explanation:-**

Games	Males	Females	Total
Rugby	346	200	546
Lawn Tennis	610	440	1050
Hockey	120	300	420
Cricket	670	800	1470
Football	454	260	714
Total	2200	2000	4200

by using above table required ratio =  $800:120 = 20:3$   
option C is the answer

**QNo:- 18 ,Correct Answer:- B**

**Explanation:-**

There are 4 consonants and 3 vowels \_C\_C\_C\_C\_  
There are 5 places which the 3 vowels can take.  $\therefore {}^5C_3 \times 3! \times 4! = 1440$

**QNo:- 19 ,Correct Answer:- A**

**Explanation:-**

Total students who failed =  $58 + 62 + 34 = 154$ .  
now, this 154 is equal to the 40 % of the total strength.  
Therefore, strength =  $154 \times (100 / 40) = 385$ .

**QNo:- 20 ,Correct Answer:- D**

**Explanation:-**

If 4 gardeners, 4 grass mowers and 400 sq meter ground can be mowed in 4 hours that means 1 gardener, 1 grass mower can mow 100 sq meter in 4 hrs.  
Hence, 8 gardeners, 8 grass mowers can mow 800 sq meter also in 4 hours.



**QNo:- 21 ,Correct Answer:- D**

**Explanation:-**

*Veracious means speaking or representing the truth.*

**QNo:- 22 ,Correct Answer:- D**

**Explanation:-**

*"I racked my brains" means 'I subjected my mind to hard working.'*

**QNo:- 23 ,Correct Answer:- D**

**Explanation:-** *Magnanimous means generous, its opposite is selfish.*

**QNo:- 24 ,Correct Answer:- D**

**Explanation:-**

*Temporal, ephemeral, transient are synonyms meaning 'not permanent'. eternal mean long lasting.*

**QNo:- 25 ,Correct Answer:- A**

**Explanation:-**

*In 'down train' – down is the adjective qualifying the noun train. In 'down with the tyrant' – down refers to an action. Hence a verb. This combination is only available in option 'a'.*

**QNo:- 26 ,Correct Answer:- B**

**Explanation:-**

*The object of the verb 'imagine' should be 'him; and not 'his'. Therefore second sentence is correct.*

**QNo:- 27 ,Correct Answer:- B**

**Explanation:-**

*In sentence 1 there is a misplaced modifier.*

**QNo:- 28 ,Correct Answer:- C**

**Explanation:-**

*The sequence is DBCAE.*

*The paragraph talks about the latest trends in property sales and says that luxury boutique homes are selling a lot better today than volume luxury properties.*

*B states the boutique homes are scarce and C continues with saying that there are no more than 5 – 10 units in each.*

*Then, option A talks about the 'units' which are previously mentioned in option C.*

*So, we get a CA pair, therefore, option A,B and D can be negated.*

**QNo:- 29 ,Correct Answer:- D**

**Explanation:-**

*A conditional is set here. The correct structure is 'if .....had, .....would have or could have'. Hence d is correct*



**QNo:- 30 ,Correct Answer:- A**

**Explanation:-**

Personification: Death is endowed with human qualities.

**QNo:- 31 ,Correct Answer:- A**

**Explanation:-**

We can get the answer after reading the following line given in the last para- "And some growth strategies, whether driven by the governments the market, can also add to vulnerability — particularly if they overexploit natural resources."

**QNo:- 32 ,Correct Answer:- D**

**Explanation:-**

Nothing is mentioned in the passage.

**QNo:- 33 ,Correct Answer:- D**

**Explanation:-**

We can get the answer after reading the second line of the second paragraph "But as growth..... diffuse them widely."Also, it mentioned in the second paragraph that economic prosperity has been twined together with changing ecological conditions. Therefore all statements can be deduced from the passage. Hence correct answer is option (4).

**QNo:- 34 ,Correct Answer:- D**

**Explanation:-**

Nothing is mentioned in the passage.

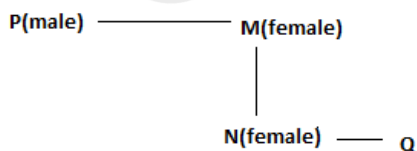
**QNo:- 35 ,Correct Answer:- B**

**Explanation:-** geography is a noun hence the only suitable option is b

**QNo:- 36 ,Correct Answer:- C**

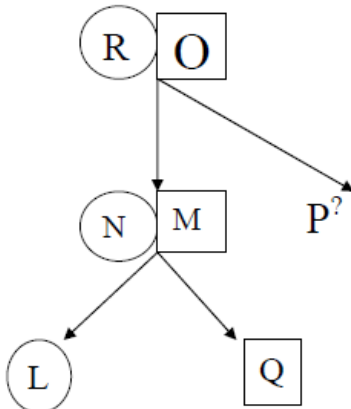
**Explanation:-**

Since P is the brother of the mother of N & Q, hence P is the maternal uncle of Q.



**QNo:- 37 ,Correct Answer:- A**

**Explanation:-**



A flow chart of family is drawn as shown above. Circle denotes the female and a square denotes a male. (?) Symbol tells that sex of the person is not known.

O is M's father.

**QNo:- 38 ,Correct Answer:- A**

**Explanation:-**

Piety is found in a pilgrim. Likewise **curiosity** is found in an **explorer**

**QNo:- 39 ,Correct Answer:- C**

**Explanation:-**

It can be seen that the figure given in the third option lies in the question figure at the top. Hence the answer is option C

**QNo:- 40 ,Correct Answer:- A**

**Explanation:-**

The relationship is + 10 in each letter. Hence EHGf becomes ORQP

**QNo:- 41 ,Correct Answer:- A**

**Explanation:-**

We have 16<sup>th</sup> Jan 1997 – Thursday

16<sup>th</sup> Jan 1998 – Friday

16<sup>th</sup> Jan 1999 – Saturday

16<sup>th</sup> Jan 2000 – Sunday, so 4<sup>th</sup> Jan 2000 - Tuesday.

Hence, option A is correct.



**QNo:- 42 ,Correct Answer:- D**

**Explanation:-**

To complete the pattern Figure D is the correct match ,



**QNo:- 43 ,Correct Answer:- D**

**Explanation:-**

The series follows the pattern +8, +8, +16, +16, +24.  
Therefore, answer is  $73+24=97$

**QNo:- 44 ,Correct Answer:- A**

**Explanation:-**

All other figures can be rotated into each other. Option A is the one, which cannot be made by rotating the other figures. Hence the answer is option 1.

**QNo:- 45 ,Correct Answer:- C**

**Explanation:-** Total aspirants = 100. Engineers = 99.

Now to make the engineers 98% of total so  $99 - x = \frac{98}{100}(100 - x)$ .

Solving  $x = 50$ .

**QNo:- 46 ,Correct Answer:- B**

**Explanation:-** The logic used is product of the squares of EJOTY sum

i.e. e.g. CAB =  $3 + 1 + 2 = 6^2 = 36$ . FAN =  $6 + 1 + 14 = 21^2 = 441$ .  $\Rightarrow 441 \times 36 = 15876$

Hence, CAN =  $3 + 1 + 14 = 18^2 = 324$ .

So,  $\frac{571536}{324} = \sqrt{1764} = 42 \Rightarrow \text{GIFT}(7+9+6+20)$

**QNo:- 47 ,Correct Answer:- C**

**Explanation:-** The logic used is that take the first letter of the word represented by pictures i.e.

(B)EE - (4) Fingers - (U)MBRELLA = B4U

(M)ONKEY - (T)EA - (V)ICTORY = MTV

(N)OSE - (D)OG - (T)EA - (V)ICTORY = NDTV

Since all are TV channels so only option is 3<sup>rd</sup> which is STAR PLUS

**QNo:- 48 ,Correct Answer:- C**

**Explanation:-**

The required region should be present only in circle. Such region is marked '10'

Hence the answer is option C



**QNo:- 49 ,Correct Answer:- C**

**Explanation:-**

Here, the letters in sequence K, L and M are written. So, next letter will be N.  
Also, the letters are rotated by 90 degrees clockwise.  
Therefore, the correct answer is option C.

**QNo:- 50 ,Correct Answer:- B**

**Explanation:-**

After 30 days, the moon will rise again at 6:48 p.m. This means that the timing for moonrise goes through 24 hours in a 30 day period. This means that each day the timing of moonrise will move ahead by  $24/30$  hours = 48 minutes. So, on 4th day, the timing will move ahead by 144 minutes, i.e., 2 hours 24 minutes. So on the fourth day, the moon will rise at 9:12 p.m.

**QNo:- 51 ,Correct Answer:- C**

**Explanation:-**

The word can start with an A or E. Substitute from the answer choices. The correct word is EVAPORATE. T is in the 1<sup>st</sup> row and V is in the 2<sup>nd</sup>.

**QNo:- 52 ,Correct Answer:- B**

**Explanation:-**

The black square in the 1<sup>st</sup> column moves down 1 row each time. The black square in the 3<sup>rd</sup> column moves up 1 row each time. The black square in the 5<sup>th</sup> column moves left 1 column each time. If we observe carefully, in the 3<sup>rd</sup> figure, there is overlapping of two black squares.

Now, the entire arrangement is found in second figure, hence answer is 2.

**QNo:- 53 ,Correct Answer:- C**

**Explanation:-**

CAREERS360

Let each subject be denoted by the first letter of its name.

Physics → P, Chemistry → C,

Biology → B, Maths → M

Statistics → S, English → E

Now, the following represent the given conditions.

1. C -- E

$$\begin{array}{cccccc} \bar{1} & \bar{2} & \bar{3} & \bar{4} & \bar{5} & \bar{6} \end{array}$$

2. ×B      ×B

    ×P      ×P

3. C (×) classes S

M (× - 1) classes) P

4. B C M

Here, condition (iv) is the most useful to start the arrangement with, We know that BCM cannot be in positions 1, 2 and 3 (from ii)), hence we'll first place BCM in 2, 3, 4 positions.

Case I: BCM in positions 2, 3 and 4:	Case II: BCM in positions 3, 4 and 5.	Case III: BCM in positions 4, 5 and 6.
$\begin{array}{cccccc} \text{B} & \text{C} & \text{M} & & & \\ \bar{1} & \bar{2} & \bar{3} & \bar{4} & \bar{5} & \bar{6} \\ \times \text{B} & & & & \times \text{B} & \\ \times \text{P} & & & & \times \text{P} & \end{array}$ <p>Now, P has to be in 5 (from (ii)) S in 1 and E in 6 (from (iii))</p> $\begin{array}{cccccc} \text{S} & \text{B} & \text{C} & \text{M} & \text{P} & \text{E} \\ \bar{1} & \bar{2} & \bar{3} & \bar{4} & \bar{5} & \bar{6} \end{array}$	$\begin{array}{cccccc} \text{S/E} & \text{P} & \text{B} & \text{C} & \text{M} & \text{E/S} \\ \bar{1} & \bar{2} & \bar{3} & \bar{4} & \bar{5} & \bar{6} \\ \times \text{B} & & & & \times \text{B} & \\ \times \text{P} & & & & \times \text{P} & \end{array}$ <p>Now P has to be in 2 (from (ii)). But (iii) is violated, as P and M have 2 classes between them, whereas S and C can have only 1 or 2 classes between them, instead of 3. Hence BCM cannot be in positions 3, 4 and 5.</p>	$\begin{array}{cccccc} & \text{B} & \text{C} & \text{M} & & \\ \bar{1} & \bar{2} & \bar{3} & \bar{4} & \bar{5} & \bar{6} \\ \times \text{B} & & & & & \times \text{B} \\ \times \text{P} & & & & & \times \text{P} \end{array}$ <p>Here, to fulfill condition (iii), we get the following arrangement:</p> $\begin{array}{cccccc} \text{S} & \text{E} & \text{P} & \text{B} & \text{C} & \text{M} \\ \bar{1} & \bar{2} & \bar{3} & \bar{4} & \bar{5} & \bar{6} \\ \times \text{B} & & & & & \times \text{B} \\ \times \text{P} & & & & & \times \text{P} \end{array}$

Hence, only case I and III will hold

This condition is satisfied in case I.

$$\begin{array}{cccccc} \text{S} & \text{B} & \text{C} & \text{M} & \text{P} & \text{E} \\ \bar{1} & \bar{2} & \bar{3} & \bar{4} & \bar{5} & \bar{6} \end{array}$$

We observe that here Biology is the second class.



**QNo:- 54 ,Correct Answer:- D**

**Explanation:-**

Let each subject be denoted by the first letter of its name.

Physics → P, Chemistry → C,

Biology → B, Maths → M

Statistics → S, English → E

Now, the following represent the given conditions.

1. C – E

$$\overline{1} \overline{2} \overline{3} \overline{4} \overline{5} \overline{6}$$

2. ×B      ×B

×P      ×P

3. C (×) classes S

M (× - 1) classes) P

4. B C M

Here, condition (iv) is the most useful to start the arrangement with, We know that BCM cannot be in positions 1, 2 and 3 (from ii), hence we'll first place BCM in 2, 3, 4 positions.

Case I: BCM in positions 2, 3 and 4:	Case II: BCM in positions 3, 4 and 5.	Case III: BCM in positions 4, 5 and 6.
$\begin{array}{cccccc} \overline{B} & \overline{C} & \overline{M} & & & \\ \overline{1} & \overline{2} & \overline{3} & \overline{4} & \overline{5} & \overline{6} \\ \times B & & & & \times B & \\ \times P & & & & & \times P \end{array}$ <p>Now, P has to be in 5(from (ii)) S in 1 and E in 6 (from (iii))</p> $\begin{array}{cccccc} \overline{S} & \overline{B} & \overline{C} & \overline{M} & \overline{P} & \overline{E} \\ \overline{1} & \overline{2} & \overline{3} & \overline{4} & \overline{5} & \overline{6} \end{array}$	$\begin{array}{cccccc} \overline{S/E} & \overline{P} & \overline{B} & \overline{C} & \overline{M} & \overline{E/S} \\ \overline{1} & \overline{2} & \overline{3} & \overline{4} & \overline{5} & \overline{6} \\ \times B & & & & & \times B \\ \times P & & & & & \times P \end{array}$ <p>Now P has to be in 2 (from (ii)). But (iii) is violated, as P and M have 2 classes between them, whereas S and C can have only 1 or 2 classes between them, instead of 3. Hence BCM cannot be in positions 3, 4 and 5.</p>	$\begin{array}{cccccc} & \overline{B} & \overline{C} & \overline{M} & & \\ \overline{1} & \overline{2} & \overline{3} & \overline{4} & \overline{5} & \overline{6} \\ \times B & & & & & \times B \\ \times P & & & & & \times P \end{array}$ <p>Here, to fulfill condition (iii), we get the following arrangement:</p> $\begin{array}{cccccc} \overline{S} & \overline{E} & \overline{P} & \overline{B} & \overline{C} & \overline{M} \\ \overline{1} & \overline{2} & \overline{3} & \overline{4} & \overline{5} & \overline{6} \\ \times B & & & & & \times B \\ \times P & & & & & \times P \end{array}$

Hence, only case I and III will hold

In both the arrangements, the only common characteristic is Statistics is the first class held.

**QNo:- 55 ,Correct Answer:- C**

**Explanation:-**



Let each subject be denoted by the first letter of its name.

Physics → P, Chemistry → C,

Biology → B, Maths → M

Statistics → S, English → E

Now, the following represent the given conditions.

1. C – E

$$\begin{array}{cccccc} \bar{1} & \bar{2} & \bar{3} & \bar{4} & \bar{5} & \bar{6} \end{array}$$

2.  $\times B \quad \times B$

$\times P \quad \times P$

3.  $\underline{C}$  ( $\times$ ) classes  $\underline{S}$

$\underline{M}$  ( $\times - 1$ ) classes)  $\underline{P}$

4.  $\underline{B} \underline{C} \underline{M}$

Here, condition (iv) is the most useful to start the arrangement with, We know that BCM cannot be in positions 1, 2 and 3 (from ii)), hence we'll first place BCM in 2, 3, 4 positions.

Case I: BCM in positions 2, 3 and 4:	Case II: BCM in positions 3, 4 and 5.	Case III: BCM in positions 4, 5 and 6.
$\begin{array}{cccccc} \underline{B} & \underline{C} & \underline{M} & & & \\ \bar{1} & \bar{2} & \bar{3} & \bar{4} & \bar{5} & \bar{6} \\ \times B & & & \times B & & \\ \times P & & & \times P & & \end{array}$ <p>Now, P has to be in 5 (from (ii)) S in 1 and E in 6 (from (iii))</p> $\begin{array}{cccccc} \underline{S} & \underline{B} & \underline{C} & \underline{M} & \underline{P} & \underline{E} \\ \bar{1} & \bar{2} & \bar{3} & \bar{4} & \bar{5} & \bar{6} \end{array}$	$\begin{array}{cccccc} \underline{S/E} & \underline{P} & \underline{B} & \underline{C} & \underline{M} & \underline{E/S} \\ \bar{1} & \bar{2} & \bar{3} & \bar{4} & \bar{5} & \bar{6} \\ \times B & & & & \times B & \\ \times P & & & & \times P & \end{array}$ <p>Now P has to be in 2 (from (ii)). But (iii) is violated, as P and M have 2 classes between them, whereas S and C can have only 1 or 2 classes between them, instead of 3. Hence BCM cannot be in positions 3, 4 and 5.</p>	$\begin{array}{cccccc} & \underline{B} & \underline{C} & \underline{M} & & \\ \bar{1} & \bar{2} & \bar{3} & \bar{4} & \bar{5} & \bar{6} \\ \times B & & & & & \times B \\ \times P & & & & & \times P \end{array}$ <p>Here, to fulfill condition (iii), we get the following arrangement:</p> $\begin{array}{cccccc} \underline{S} & \underline{E} & \underline{P} & \underline{B} & \underline{C} & \underline{M} \\ \bar{1} & \bar{2} & \bar{3} & \bar{4} & \bar{5} & \bar{6} \\ \times B & & & & & \times B \\ \times P & & & & & \times P \end{array}$

Hence, only case I and III will hold.

For the given condition, case III holds good.

$$\begin{array}{cccccc} \underline{S} & \underline{E} & \underline{P} & \underline{B} & \underline{C} & \underline{M} \\ \bar{1} & \bar{2} & \bar{3} & \bar{4} & \bar{5} & \bar{6} \end{array}$$

Hence, the arrangement given in choice (3) holds good.

**QNo:- 56 ,Correct Answer:- B**

**Explanation:-**

The exact number of seconds in six complete weeks is  $6 \times 7 \times 24 \times 60 \times 60 = 6 \times 7 \times (3 \times 8) \times (2 \times 5 \times 6) \times (3 \times 4 \times 5) = 1 \times 2 \times 3 \times 4 \times 5 \times 6 \times 7 \times 8 \times 9 \times 10 = 10!$

**QNo:- 57 ,Correct Answer:- D**

**Explanation:-**

In one hour, the hands of the clock will be in straight line only once and in 12 hour period they will be in straight line 11 times. So in one day i.e. in 24 hours, they will be 22 times opposite to each other.

**QNo:- 58 ,Correct Answer:- C**

**Explanation:-**

The arrangement is :  $5+3 =8, 8+4= 12, 12+1 =13$ . So, the missing number is 12.



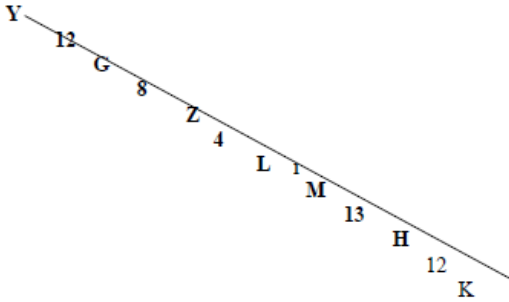
**QNo:- 59 ,Correct Answer:- D**

**Explanation:-**

there is no mention of role of teachers or schools in shaping the personality of a child therefore none of the conclusions can be drawn.

**QNo:- 60 ,Correct Answer:- B**

**Explanation:-**



Option 2 is the right answer. Car covers 12 Km in 24 minutes which mean 1 Km in 2 minutes. Distance between K and G is 38 Km which will be covered in 76 minutes . If car starts at 9:00 it will be reaching G at 10:16.

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