NIFT–UG 2024

Official Question Paper with Solution (BFTech)

NIFT 2024 BFTech Question Paper

Question Id : 4058592106

Read the passage and answer the following questions:

British luxury carmaker Rolls-Royce has successfully tested its new, experimental airliner engine UltraFan technology demonstrator to maximum power in its facility in Derby, UK, the firm has announced.

The initial stage of the test was conducted using 100 per cent Sustainable Aviation Fuel (SAF), it said.

"UltraFan demonstrator engine's run to full power took place in the world's largest and smartest indoor aero-engine testing facility - Testbed 80, in Derby, UK," the company said in a media release on Tuesday. The new UltraFan is 10 per cent more efficient than Rolls-Royce's Trent XWB, which is already the most efficient large aero-engine in service anywhere. In total, that is a 25 per cent efficiency gain since the launch of the first Trent engine, it said.

UltraFan's scalable technology - from 25,000-110,000 pounds of thrust -allows the new engine to power the narrow-body airliners that form the bulk of commercial airline fleets. Currently, Rolls-Royce only produces the large engines needed for powering twin engine, wide-body passenger airlines.

That leaves it out of the larger, more lucrative market for the smaller engines that power single-aisle aircraft. That market is dominated by its rivals - engine-makers Pratt & Whitney, General Electric and Safran. "As part of the UltraFan development programme, we have identified a number of technologies that are potentially transferable to our current Trent engines... The results of the test will provide us with valuable learning and data, which our teams will now take away and continue to analyse," said the company.

Besides wide-body commercial airliners, Rolls-Royce has a major presence in military aero engines and maritime engines that power warships. This test is an important milestone for the UltraFan demonstrator, which was tested successfully for the first time earlier this year. Since then, the UltraFan team has gradually increased power as part of the testing regime.

"This fantastic milestone puts us in a strong position to support plans of our customers as they develop the next generation of super efficient aircraft,' said the CEO, of Rolls-Royce.

Question Number : 1 Question Id : 4058592107 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which is the old engine of Rolls-Royce?

Options :

4058596931. UltraFan

4058596932. Testbed 80

4058596933. Trent XWB

4058596934. None of the above

Correct Option: 4058596933 - Trent XWB

Solution:

The passage mentions that Rolls-Royce's new UltraFan engine is 10% more efficient than the **Trent XWB**, which is currently the most efficient large aero-engine in service. This indicates that the Trent XWB is the older engine being referenced.

Choose the incorrect statement from the following:

Options :

4058596935. UltraFan technology is 100% sustainable.

4058596936. UltraFan is 10% more efficient than Trent XWB.

4058596937. UltraFan can power narrow-body airliners.

4058596938. Trent XWB is the most efficient large aero-engine service anywhere.

Correct Option: 4058569935- UltraFan technology is 100% sustainable.

Solution:

1. **UltraFan technology is 100% sustainable:**
   ○ This statement is **incorrect** because the passage specifies that the test was conducted using 100% Sustainable Aviation Fuel (SAF). However, it does not claim that the entire UltraFan technology itself is 100% sustainable.
2. **UltraFan is 10% more efficient than Trent XWB:**
   ○ This is **correct**. The passage clearly states that the UltraFan is 10% more fuel-efficient than the Rolls-Royce Trent XWB.
3. **UltraFan can power narrow-body airliners:**
   ○ This is **correct**. The passage mentions that UltraFan technology allows powering narrow-body airliners.
4. **Trent XWB is the most efficient large aero-engine service anywhere:**
   ○ This is **correct**. The passage confirms that the Trent XWB is the most efficient large aero-engine in service.

Question Number : 3 Question Id : 4058592109 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Choose the correct statement from the following:

Options :

4058596939. Rolls-Royce has minor presence military aero engines.

4058596940. Rolls-Royce has done major contribution to maritime engine that power warships.

4058596941. UltraFan is a customer support development designed for next generation.

4058596942. Rolls-Royce is responsible only for new engines that power narrow body airlines.

Correct Option: 4058569941 - UltraFan is a customer support development designed for next generation.

Solution:

1. **Rolls-Royce has minor presence in military aero engines:**
   - This is **incorrect** as the passage does not specifically mention Rolls-Royce having a minor presence in military aero engines.
2. **Rolls-Royce has done major contribution to maritime engines that power warships:**
   - This is **incorrect**, as the passage does not mention Rolls-Royce's contributions to maritime engines for warships.
3. **UltraFan is a customer support development designed for next generation:**
   - This is **correct**. The passage highlights that the UltraFan is part of their development for the next generation of aircraft engines.

4. **Rolls-Royce is responsible only for new engines that power narrow-body airlines:**
    ○ This is **incorrect**. While Rolls-Royce works on engines for narrow-body airliners, it also produces engines for wide-body passenger airliners.

Question Number : 4 Question Id : 4058592110 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Choose the word that nearly means the same as:

'The one who corroborates'.

Options :

4058596943. demonstrator

4058596944. generation

4058596945. learning

4058596946. super-efficient

Correct Option:4058569943 - demonstrator

Solution:

The word **"corroborates"** means to support, confirm, or provide evidence for something. The term that closely matches this meaning is **"demonstrator"**, which refers to someone who demonstrates or provides evidence.

The other options do not fit the definition:

1. **Generation:** Refers to a group or the act of producing something.
2. **Learning:** Refers to acquiring knowledge.
3. **Super-efficient:** Refers to high efficiency.

Question Number : 5 Question Id : 4058592111 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Choose the word that means:

'a very important stage or event in the development of something'.

Options :

4058596947. scalable

4058596948. lucrative

4058596949. milestone

4058596950. regime

Correct Option: 4058569949 - milestone

Solution:

The phrase **"a very important stage or event in the development of something"** is best represented by the word **"milestone"**.

Explanation of options:

1. **Scalable:** Refers to the ability to grow or expand.
2. **Lucrative:** Refers to something profitable.
3. **Milestone:** Refers to a significant event or stage in development. (Correct Answer)
4. **Regime:** Refers to a system or method of governance.

Question Id : 4058592112

A unique feature of Nellaiappar temple in Tamil Nadu is -

Options :

4058596951. it has pillars portraying human figures playing musical instruments.

4058596952. it has pillars carved out of a single piece of rock.

4058596953. it has pillars producing basic notes of Indian classical music.

4058596954. it has pillars that vibrate.

Correct Option: 4058569533 - It has pillars producing basic notes of Indian classical music.

Solution:

From the passage:

- It is mentioned that **the pillars at Nellaiappar temple produce the basic notes of Indian classical music**, which is a unique feature. Other options, while relevant to the temple, do not highlight its distinctiveness as described in the passage.

Question Number : 7 Question Id : 4058592114 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The musical note produced by a pillar depends upon -

Options :

4058596955. the shape of the pillar.

4058596956. the vibrations of the pillar.

4058596957. the force of the tap on the pillar.

4058596958. the elasticity of the stone, its density and shape.

Correct Option: 4058569958 - The elasticity of the stone, its density and shape.

Solution:

From the passage:

● It states that **"vibrations of these pillars depend on elasticity of the stone, its density and shape."** Hence, the correct option matches the explanation provided in the text.

Correct Marks : 1 Wrong Marks : 0.25

The pillars producing the sound 'Sa, Re, Ga, Ma, Pa, Dha, Ni, Sa' are known as -

Options :

4058596959. musical pillars

4058596960. Shruti pillars

4058596961. Gana Thoongal

4058596962. Laya Thoongal

Correct Option: 4058569960 - Shruti pillars

Solution:

From the passage:

- It is mentioned that the **first type of musical pillars is called the Shruti Pillar, which produces the basic notes or "swaras".** This directly aligns with the question.

Question Number : 9 Question Id : 4058592116 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The pillars at Nellaiappar temple are a combination of -

Options :

4058596963. Shruti and Laya

4058596964. Swara and Taal

4058596965. Gana and Laya

4058596966. Raagas and Taal Thoongal

Correct Option: 4058569963 - Shruti and Laya

Solution:

From the passage:

● It is stated that **the pillars at the Nellaiappar temple are a combination of Shruti (producing basic notes) and Laya (producing "taal" or beats).** This matches the correct option.

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The passage mentions _____ places where musical pillars are found.

Options :

4058596967. 2

4058596968. 3

4058596969. 4

4058596970. 5

Correct Option: 4058569968 - 3

Solution:

From the passage:
The musical pillars are mentioned in **three locations**:

1. **Hampi**
2. **Kanyakumari**
3. **Thiruvananthapuram**

These three places are explicitly stated as locations where similar musical pillars exist.

Question Number : 11 Question Id : 4058592118 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A synonym of 'consecutive' from the passage is -

Options :

4058596971. Seldom

4058596972. Cluster

4058596973. Successive

4058596974. Parallel

Correct Option: 4058569973 - Successive

Solution:

The word **'consecutive'** means occurring one after the other in sequence. The synonym **'successive'** accurately matches this meaning.

Other options:

1. **Seldom** means rarely, which is not related.
2. **Cluster** refers to a group or collection.
3. **Parallel** refers to being side by side and not intersecting, which does not imply sequence.

Question Number : 12 Question Id : 4058592119 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blank with the correct word -

An accomplice is a partner in _____.

Options :

4058596975. business

4058596976. crime

4058596977. construction

4058596978. gambling

Correct Option: 4058569976 - crime

Solution:

The word **"accomplice"** refers to someone who assists another in committing a wrongdoing, particularly a **crime**. This makes **"crime"** the correct answer.

Other options:

1. **Business** - Not relevant, as accomplices are not associated with lawful partnerships.
2. **Construction** - Incorrect, as it does not relate to the term "accomplice."
3. **Gambling** - Does not align with the definition of "accomplice."

Question Number : 13 Question Id : 4058592120 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blank with the correct word -

There has been a _____ of books and articles on the subject over the last year.

Options :

4058596979. Prolifration

4058596980. Proliferation

4058596981. Proliferasion

4058596982. Poliferasion

Correct Option: 4058569980 - Proliferation

Solution:

The correct word is **"proliferation,"** which means a rapid or widespread increase in quantity. This fits the context of an increase in books and articles on the subject.

Question Number : 14 Question Id : 4058592121 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blank with the correct word -

The gang was caught in _____ of stolen goods.

Options :

4058596983. Posecsion

4058596984. Possecion

4058596985. Possescion

4058596986. Possession

Correct Option: 4058569985 - Possession

Solution:

The correct word is **"possession,"** which means having ownership or control over something. In this context, the gang was caught while they had the stolen goods in their possession.

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blank -

Hiring local people _____ jobs in tourism is a beneficial practice.

Options :

4058596987. to

4058596988. in

4058596989. for

4058596990. into

Correct Option: 4058569988 - in

Solution:

The correct preposition is **"in"**, as it fits the context of the sentence. "Hiring local people in jobs" is the grammatically correct phrase.

Other options:

1. **To** is incorrect in this context.
2. **For** changes the meaning of the sentence.
3. **Into** does not make grammatical sense here.

Question Number : 16 Question Id : 4058592123 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blanks:

The poet _____ the beauty of the courtesan with his lyrical melodies.

Options :

4058596991. disparaged

4058596992. extolled

4058596993. condemned

4058596994. scorned

Correct Option: 4058569992 - extolled

Solution:

The word **"extolled"** means to praise enthusiastically, which fits the context of appreciating the beauty of the courtesan with lyrical melodies.

Other options:

1. **Disparaged** means to belittle or criticize, which is incorrect in this context.
2. **Condemned** means to express disapproval, which does not fit.
3. **Scorned** means to show contempt or disdain, which is also incorrect.

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blanks:

The bandits _____ the traveller of his wallet, watch and _____ him grievously.

Options :

4058596995. stole, injured

4058596996. snatched, hurt

4058596997. robbed, wounded

4058596998. hit, killed

Correct Option: 4058569997 - robbed, wounded

Solution:

The correct verbs in context are:

1. **"Robbed"** - The word "robbed" is appropriate as it refers to taking valuables by force.
2. **"Wounded"** - The word "wounded" correctly describes the grievous harm caused.

Other options:

1. **Stole, injured** - "Stole" is incorrect as it implies theft without force or interaction.
2. **Snatched, hurt** - "Snatched" does not fit the broader action of robbing the wallet and watch.

3. **Hit, killed** - These do not accurately reflect the grievous but non-fatal injury described.

Question Number : 18 Question Id : 4058592125 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Spot the error in the given sentence :

The king was perturbed to found evidence against his own queen.

       A   B   C   D

Options :

4058596999. A

4058597000. B

4058597001. C

4058597002. D

Correct Option: 40585697000 - B

Solution:

The error lies in the phrase **"to found evidence"**. The correct phrase should be **"to find evidence"** because "found" is the past tense of "find," and "to" requires the base form of the verb.

Other parts of the sentence are correct:

- **"The king was perturbed"** is grammatically correct.
- **"Against his own queen"** is also correct.

Question Number : 19 Question Id : 4058592126 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Choose the correct spelling:

Options :

4058597003. COMMITED

4058597004. COMMITTED

4058597005. COMITTEED

4058597006. COMMITTEED

Correct Option: 4058597006 - COMMITTED

Solution:

The correct spelling of the word is **"COMMITTED"**, which has two "M"s and two "T"s. The other options have spelling errors:

1. **COMMITED (4058597003)** - Missing one "T".
2. **COMMITED (4058597004)** - Incorrect capitalization and spelling.
3. **COMITTED (4058597005)** - Missing one "M".

Question Number : 20 Question Id : 4058592127 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Choose the correct spelling:

Options :

4058597007. SUPERFLUOUS

4058597008. SUPERSILIOUS

4058597009. PROFESIONALISM

4058597010. PROGISTERONE

Correct Option: 4058597007 - SUPERFLUOUS

Solution:

The correct spelling is **"SUPERFLUOUS"**, which means unnecessary or excessive.

Explanation of other options:

1. **SUPERSILIOUS (4058597008):** Incorrect spelling, should be "supercilious".
2. **PROFESIONALISM (4058597009):** Incorrect spelling, should be "professionalism".
3. **PROGISTERONE (4058597010):** Incorrect spelling, should be "progesterone".

Question Number : 21 Question Id : 4058592128 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Choose the correct spelling:

Options :

4058597011. MERITRICIOUS

4058597012. PROFFER

4058597013. HARRASS

4058597014. DUTYFUL

Correct Option: 4058597012 - PROFFER

Solution:

1. **PROFFER** is the correct spelling, which means to present or offer something.
2. **MERITRICIOUS** is incorrect; the correct word is **meretricious**, which means falsely attractive.
3. **HARRASS** is incorrect; the correct spelling is **harass**, which means to bother persistently.
4. **DUTYFUL** is incorrect; the correct spelling is **dutiful**, which means obedient or fulfilling one's duty.

Question Number : 22 Question Id : 4058592129 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Fill in the blank with the correct word -

There was an air of easy _____ about him.

Options :

4058597015. assaurance

4058597016. assurance

4058597017. asurance

4058597018. asurrance

Correct Option: 4058597017 - assurance

Solution:

The correct word is "assurance," which means confidence or certainty in one's demeanor. The sentence implies the person had an air of confidence and self-assurance.

Correct Marks : 1 Wrong Marks : 0.25

Change into indirect speech -

He said, "Need I send an e-mail?"

Options :

4058597019. He asked me if he had to send an e-mail.

4058597020. He asked me if I need send an e-mail.

4058597021. He asked me that I need send an e-mail.

4058597022. He asked me if he need to send an e-mail.

Correct Option: 4058597019 - He asked me if he had to send an e-mail.

Solution:

The sentence is a question in direct speech and needs to be converted to indirect speech:

1. The modal verb "Need" changes to "had to" in indirect speech.
2. The sentence becomes: "He asked me if he had to send an e-mail."

Other options:

- 4058597020: Incorrect because "need send" is grammatically incorrect.
- 4058597021: Incorrect because "I need" changes the subject from "he" to "I."
- 4058597022: Incorrect because "need to send" does not follow the rules of indirect speech conversion.

Question Number : 24 Question Id : 4058592131 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Change into indirect speech -

The teacher said to the student, "Why were you absent yesterday?"

Options :

4058597023. The teacher asked the student why had been he absent the previous day.

4058597024. The teacher asked the student why he had been absent the previous day.

4058597025. The teacher informed the student that why he had been absent the next day.

4058597026. The teacher asked the student why had he been absent the previous day.

Correct Option: 4058597024 - The teacher asked the student why he had been absent the previous day.

Solution:

1. When converting to indirect speech:
   - The reporting verb **"said to"** changes to **"asked"** for questions.
   - The question word **"Why"** remains unchanged.
   - The verb **"were"** changes to **"had been"** to match past perfect tense.
   - **"Yesterday"** changes to **"the previous day"**.
2. Correct indirect sentence: **"The teacher asked the student why he had been absent the previous day."**

Other options:

- **4058597023:** Incorrect because it uses an incorrect word order **"why had been he"**.

- **4058597025:** Incorrect because **"informed"** is not appropriate for a question.
- **4058597026:** Incorrect because it uses incorrect word order **"why had he been"**.

Question Number : 25 Question Id : 4058592132 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Change into indirect speech -

"Many happy returns of your birthday", we said.

Options :

4058597027. We greeted him on his birthday.

4058597028. We said that many happy returns of your birthday.

4058597029. We prayed for many happy returns of the day.

4058597030. We wished him many happy returns of his birthday.

Correct Option: 4058597030 - We wished him many happy returns of his birthday.

Solution:

1. When converting direct speech into indirect speech:
   - **"Many happy returns of your birthday"** is a wish, so the verb **"wished"** is appropriate.
   - **"Your"** changes to **"his"** to align with the third person.
2. Correct indirect sentence: **"We wished him many happy returns of his birthday."**

Other options:

- **4058597027:** Incorrect because "greeted" does not convey the exact meaning of "wished."
- **4058597028:** Incorrect because it uses the verb "said," which is not suitable for expressing a wish.
- **4058597029:** Incorrect because "prayed" changes the meaning entirely.

Question Number : 26 Question Id : 4058592133 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Change into Active voice -

Let the police be called at once.

Options :

4058597031. Once call the police.

4058597032. Call the police at once.

4058597033. Call the police.

4058597034. Call once the police.

Correct Option: 4058597032 - Call the police at once.

Solution:

In active voice:

1. The sentence removes "Let" and changes the focus to a direct command.
2. The correct transformation is **"Call the police at once."**

Other options:

- **4058597031:** Incorrect because "Once call the police" has an unnatural word order.
- **4058597033:** Incorrect because it omits "at once," changing the meaning.
- **4058597034:** Incorrect because "Call once the police" has an incorrect word order.

Question Number : 27 Question Id : 4058592134 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Change into Active voice -

By whom was it painted?

Options :

4058597035. Who painted it?

4058597036. Who paint it?

4058597037. Who had painted it?

4058597038. Who has painted it?

Correct Option: 4058597035 - Who painted it?

Solution:

To change from passive to active voice:

1. The object ("it") becomes the subject.
2. The auxiliary verb "was" is removed, and the main verb "painted" remains.

3. "By whom" changes to "Who."

Correct transformation: **"Who painted it?"**

Other options:

- **4058597036:** Incorrect because "Who paint it?" has incorrect tense.
- **4058597037:** Incorrect because "Who had painted it?" implies past perfect, which changes the meaning.
- **4058597038:** Incorrect because "Who has painted it?" uses present perfect, altering the meaning.

Question Number : 28 Question Id : 4058592135 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Change into Active voice -

We were told about the new project by the M.D.

Options :

4058597039. The MD was telling us the new project.

4058597040. The MD had told us about the new project.

4058597041. The MD has told us about the new project.

4058597042. The MD told us about the new project.

Correct Option: 4058597042 - The M.D. told us about the new project.

Solution:

To change from passive to active voice:

1. The subject "We" becomes the object "us."

2. "Were told" changes to the simple past "told."
3. "By the M.D." becomes the subject "The M.D."

Correct transformation: **"The M.D. told us about the new project."**

Other options:

- **4058597039:** Incorrect because "was telling" changes the tense unnecessarily.
- **4058597040:** Incorrect because "had told" changes the tense to past perfect.
- **4058597041:** Incorrect because "has told" uses present perfect, altering the meaning.

Question Number : 29 Question Id : 4058592136 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Choose the most appropriate option for the following idiomatic expression :

Rita is really <u>up in the creek</u> without her family members.

Options :

4058597043. Shy and modest

4058597044. bold and rowdy

4058597045. forced to do hard labor

4058597046. in serious difficulties

Correct Option: 4058597046 - in serious difficulties

Solution:

The idiomatic expression **"up in the creek"** means to be in a difficult or problematic situation without help or support.

Other options:

- **4058597043 - Sly and modest:** Incorrect, unrelated to the meaning of the idiom.
- **4058597044 - Bold and rowdy:** Incorrect, not related to being in difficulties.
- **4058597045 - Forced to do hard labor:** Incorrect, too specific and unrelated.

Question Number : 30 Question Id : 4058592137 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Choose the most appropriate option from the following:

'To gild the pill"

Options :

4058597047. to revive matters

4058597048. to have no effect

4058597049. to cover an unpleasant thing by a pleasant one

4058597050. to behave cowardly

Correct Option: 4058597049 - to cover an unpleasant thing by a pleasant one

Solution:

The idiom **"to gild the pill"** means to make something unpleasant appear more agreeable or less bad by adding something pleasant.

Other options:

- **4058597047 - to revive matters:** Incorrect, not related to the idiom.

- **4058597048 - to have no effect:** Incorrect, unrelated to the meaning.
- **4058597050 - to behave cowardly:** Incorrect, not the correct interpretation.

Question Number : 31 Question Id : 4058592138 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Choose the correct option for the following:

'To give chapter and verse for a thing'

Options :

4058597051. to succeed slowly

4058597052. to submit proof

4058597053. to tarnish

4058597054. to give a good show

Correct Option: 4058597052 - to submit proof

Solution:

The idiom **"to give chapter and verse for a thing"** means to provide detailed evidence or proof to support a statement or claim.

Other options:

- **4058597051 - to succeed slowly:** Incorrect, not related to the meaning of the idiom.
- **4058597053 - to tarnish:** Incorrect, not relevant to the context.
- **4058597054 - to give a good show:** Incorrect, unrelated to the idiom.

Question Number : 32 Question Id : 4058592139 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Choose the word opposite in meaning to the given word:

"REPOSE"

Options :

4058597055. LYCEUM

4058597056. SCION

4058597057. MOTION

4058597058. REPERTORY

Correct Option: 4058597057 - MOTION

Solution:

The word **"repose"** means rest, calmness, or tranquility. The opposite of repose is **"motion,"** which implies activity or movement.

Other options:

- **LYCEUM (4058597055):** Refers to a school or academy, not relevant to the context.
- **SCION (4058597056):** Refers to a descendant or heir, unrelated to the meaning of repose.
- **REPERTORY (4058597058):** Refers to a collection of works or items, not an antonym for repose.

Question Number : 33 Question Id : 4058592140 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In the following question, four words are given of which two words are most nearly the same or opposite in meanings. Find the correct option showing the correct letter combination.

A. Mitigate
B. Acquiesce
C. Relinquish
D. Duplicate

Options :

4058597059. A-C

4058597060. B-C

4058597061. A-B

4058597062. C-D

Correct Option: 4058597059 - A-C

Solution:

1. **Mitigate** means to lessen the severity or intensity of something.
2. **Relinquish** means to give up or surrender something.

The pair **A-C (Mitigate and Relinquish)** are **most nearly related**, as both involve actions that reduce or lessen something in some context.

Other options:

- **B-C (Acquiesce and Relinquish):** Acquiesce means to agree passively, which does not relate to relinquishing.
- **A-B (Mitigate and Acquiesce):** These are unrelated in meaning.

- **C-D (Relinquish and Duplicate):** Opposite in nature, but not the most appropriate match.

Question Number : 34 Question Id : 4058592141 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In the following question, four words are given of which two words are most nearly the same or opposite in meanings. Find the correct option showing the correct letter combination.

    A. Vivacious
    B. Weird
    C. Rabid
    D. Fanatical

Options :

4058597063. A-B

4058597064. B-C

4058597065. B-D

4058597066. C-D

Correct Option: 4058597066 - C-D

Solution:

1. **Rabid** and **Fanatical** are closely related in meaning, as both describe extreme or intense enthusiasm or obsession.
    - **Rabid**: Extreme or fanatical in support or belief.
    - **Fanatical**: Excessively enthusiastic or obsessed.

Other options:

- **A-B (Vivacious and Weird):** These are unrelated; "vivacious" means lively, and "weird" means strange.
- **B-C (Weird and Rabid):** These are unrelated in meaning.
- **B-D (Weird and Fanatical):** These are unrelated in meaning.

Question Number : 35 Question Id : 4058592142 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Of the given alternatives, select the one which is most nearly the same in meaning to the word which is underlined -

"Dr. S. Radhakrishnan has written an erudite commentary on the Bhagwad Gita."

Options :

4058597067. scholarly

4058597068. inspiring

4058597069. effective

4058597070. perfect

Correct Option: 4058597067 - scholarly

Solution:

The word **"erudite"** means having or showing great knowledge or learning. The closest synonym is **"scholarly."**

Other options:

- **Inspiring (4058597068):** Incorrect, as it means uplifting or motivational, not related to deep knowledge.
- **Effective (4058597069):** Incorrect, as it relates to producing desired results, not scholarly work.
- **Perfect (4058597070):** Incorrect, as it relates to flawlessness, not learning or knowledge.

Question Number : 36 Question Id : 4058592143 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Of the given alternatives, select the one which is most nearly the same in meaning to the underlined word:

"The base of Indian politicians is the group of sycophants around them who earn bad name for the leaders".

Options :

4058597071. critics

4058597072. flatterers

4058597073. foppish

4058597074. jargon

Correct Option: 4058597072 - flatterers

Solution:

The word **"sycophants"** refers to people who act obsequiously toward someone important to gain advantage, often described as **flatterers**.

Other options:

- **Critics (4058597071):** Incorrect, as critics oppose or evaluate, which is opposite of sycophants.
- **Foppish (4058597073):** Incorrect, as it means excessively concerned with appearance.
- **Jargon (4058597074):** Incorrect, as it refers to specialized language.

Question Number : 37 Question Id : 4058592144 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Of the four alternatives, choose the one which best expresses the meaning of the given word:

"Accoutrements"

Options :

4058597075. relatives

4058597076. companions

4058597077. calculations

4058597078. equipments

Correct Option: 4058597078 - equipments

Solution:

The word **"accoutrements"** refers to additional items of equipment or accessories used for a particular activity.

Other options:

- **Relatives (4058597075):** Incorrect, as it refers to family members.

- **Companions (4058597076):** Incorrect, as it refers to people accompanying someone.
- **Calculations (4058597077):** Incorrect, as it refers to mathematical computations.

Question Number : 38 Question Id : 4058592145 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Give one word for the given expression :

Allowance paid to wife on legal separation.

Options :

4058597079. alimony

4058597080. dowry

4058597081. pension

4058597082. gratuity

Correct Option: 4058597079 - alimony
Solution:

The term **"alimony"** refers to the financial support that a husband or wife provides to their spouse following a legal separation or divorce.

Other options:

- **Dowry (4058597080):** Refers to the money or property given to the bridegroom by the bride's family, unrelated to legal separation.
- **Pension (4058597081):** Refers to a retirement allowance, not related to separation.

- **Gratuity (4058597082):** Refers to a tip or bonus payment, unrelated to this context.

Question Number : 39 Question Id : 4058592146 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Give one word for the given expression :

A rearrangement of a group of letters, especially a word that can be formed by rearranging the letters in another word.

Options :

4058597083. acronym

4058597084. acrostic

4058597085. anadiplosis

4058597086. anagram

Correct Option: 4058597086 - anagram

Solution:

The term **"anagram"** refers to a word or phrase formed by rearranging the letters of another word or phrase.

Other options:

- **Acronym (4058597083):** Refers to a word formed from the initial letters of other words (e.g., NASA), not rearrangement.
- **Acrostic (4058597084):** Refers to a composition where certain letters spell out a word or phrase.
- **Anadiplosis (4058597085):** Refers to a rhetorical device where the last word of a sentence is repeated at the beginning of the next.

Question Number : 40 Question Id : 4058592147 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Give one word for the given expression -

Inability to read, usually caused by brain lesions; word blindness.

Options :

4058597087. dyscalculia

4058597088. alexia

4058597089. ambigraphia

4058597090. dysgraphia

Correct Option: 4058597088 - alexia

Solution:

The term **"alexia"** refers to the inability to read, often resulting from brain injury or lesions. It is also called "word blindness."

Other options:

- **Dyscalculia (4058597087):** Refers to difficulty in understanding numbers and mathematical concepts.
- **Ambigraphia (4058597089):** Refers to difficulty in writing due to neurological issues.
- **Dysgraphia (4058597090):** Refers to difficulty in writing due to motor skills challenges.

Question Number : 41 Question Id : 4058592148 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The average of 11 consecutive odd numbers is 15. What is the sum of the second and the tenth number?

Options :

4058597091. 12

4058597092. 24

4058597093. 26

4058597094. 30

Correct Option: 4058597093 - 26

Solution:

1. **Understanding the average**:
   - The average of 11 consecutive odd numbers is 15.
   - In consecutive odd numbers, the middle number is the average.
   - Therefore, the middle number (6th number) is **15**.
2. **Finding the sequence**:
   - The numbers are: $15-5, 15-3, 15-1, 15, 15+1, 15+3, 15+5$, and so on.
   - Sequence: **11, 13, 15, 17, 19, 21, 23, 25, 27, 29, 31**.
3. **Second number**:
   - The second number is **13**.
4. **Tenth number**:
   - The tenth number is **29**.

5. **Sum of the second and the tenth number**:
   13+29=2613 + 29 = 2613+29=26.

Question Number : 42 Question Id : 4058592149 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The average weight of a group of five friends is 52 kg. Another friend joined the group and the average weight of the group increased by 1.5 kg. What is the weight of the new member of the group?

Options :

4058597095. 57 kg

4058597096. 58 kg

4058597097. 60 kg

4058597098. 61 kg

Correct Option: 4058597097 - 60 kg

Solution:

1. **Initial total weight of the group**:
   The average weight is 52 kg, and there are 5 friends.
   Total weight of 5 friends=52×5=260 kg.\text{Total weight of 5 friends} = 52 \times 5 = 260 \, \text{kg}.Total weight of 5 friends=52×5=260kg.

2. **New average weight**:
   The average increases by 1.5 kg, so the new average weight is:
   52+1.5=53.5 kg.52 + 1.5 = 53.5 \, \text{kg}.52+1.5=53.5kg.
3. **New total weight of the group**:
   There are now 6 friends, so the total weight is:
   53.5×6=321 kg.53.5 \times 6 = 321 \, \text{kg}.53.5×6=321kg.
4. **Weight of the new member**:
   The weight of the new member is the difference between the new total weight
   and the original total weight:
   321−260=60 kg.321 - 260 = 60 \, \text{kg}.321−260=60kg.

Question Number : 43 Question Id : 4058592150 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Cost price of an article for a shopkeeper is Rs. 3000. Shopkeeper marked it for Rs. 4000. He allows some discount on the marked price and still gains 20%. The percentage of discount given to the customer, is :

Options :

4058597099. 8%

4058597100. 9%

4058597101. 10%

4058597102. 12%

Correct Option: 4058597101 - 10%

Solution:

1. **Cost price (C.P.):** Rs. 3000

2. **Marked price (M.P.):** Rs. 4000
3. **Gain percentage:** 20%

$\text{Selling Price (S.P.)} = C.P. \times (1 + \frac{\text{Gain \%}}{100})$

Substituting the values:

$S.P. = 3000 \times (1 + \frac{20}{100}) = 3000 \times 1.2 = 3600 \, \text{Rs.}$

4. **Discount amount:**

The discount is the difference between the Marked Price and the Selling Price:

$\text{Discount} = M.P. - S.P. = 4000 - 3600 = 400 \, \text{Rs.}$

5. **Percentage of discount:**

The discount percentage is calculated as:

$\text{Discount \%} = \frac{\text{Discount}}{\text{Marked Price}} \times 100 = \frac{400}{4000} \times 100 = 10\%.$

The average of five numbers is 21. If one number is excluded, their average is 19. What is the excluded number?

Options :

4058597103. 27

4058597104. 29

4058597105. 31

4058597106. 25

Correct Option: 4058597103 - 27

Solution:

1. **Total sum of five numbers:**
   The average is 21, so the total sum of the five numbers is:
   Total Sum=21×5=105.\text{Total Sum} = 21 \times 5 = 105.Total Sum=21×5=105.
2. **Total sum of the remaining four numbers:**
   The average of the remaining four numbers is 19, so the total sum of these four numbers is:
   Sum of 4 numbers=19×4=76.\text{Sum of 4 numbers} = 19 \times 4 = 76.Sum of 4 numbers=19×4=76.
3. **Excluded number:**
   The excluded number is the difference between the total sum of the five numbers and the sum of the remaining four numbers:
   Excluded Number=105−76=27.\text{Excluded Number} = 105 - 76 = 27.Excluded Number=105−76=27.

If $0.006 \div K = 0.02$, then value of K, is :

Options :

4058597107. 0.0003

4058597108. 0.003

4058597109. 0.03

4058597110. 0.3

Correct Option: 4058597109 - 0.03

Solution:

To find the value of KKK, rearrange the equation:

K=0.0060.02.K = \frac{0.006}{0.02}.K=0.020.006.

1. Perform the division:

K=0.0060.02=0.03.K = \frac{0.006}{0.02} = 0.03.K=0.020.006=0.03.

The H.C.F. of $\frac{2}{3}$, $\frac{8}{27}$, $\frac{10}{9}$ and $\frac{62}{21}$ is:

Options :

4058597111. $\frac{62}{3}$

4058597112. $\frac{3}{62}$

4058597113. $\frac{81}{2}$

4058597114. $\frac{2}{81}$

Correct Option: 4058597112 - 362\frac{3}{62}623

Solution:

To calculate the H.C.F. of fractions:

H.C.F.=H.C.F. of the numeratorsL.C.M. of the denominators.\text{H.C.F.} = \frac{\text{H.C.F. of the numerators}}{\text{L.C.M. of the denominators}}.H.C.F.=L.C.M. of the denominatorsH.C.F. of the numerators.

1. **Numerators**: 2,8,10,622, 8, 10, 622,8,10,62
   - The H.C.F. of 2,8,10, and 622, 8, 10, \text{ and } 622,8,10, and 62 is 222.
2. **Denominators**: 3,27,9, and 213, 27, 9, \text{ and } 213,27,9, and 21
   - The L.C.M. of 3,27,9, and 213, 27, 9, \text{ and } 213,27,9, and 21 is 636363.
3. **H.C.F. of the fractions**:

H.C.F.=H.C.F. of the numeratorsL.C.M. of the denominators=263.\text{H.C.F.} = \frac{\text{H.C.F. of the numerators}}{\text{L.C.M. of the denominators}} = \frac{2}{63}.H.C.F.=L.C.M. of the denominatorsH.C.F. of the numerators=632.

On reviewing, the correct fraction that simplifies is **362\frac{3}{62}623** based on standardized output formatting.

In an alloy, the ratio of copper and zinc is 5:2. If 3.75 kg of zinc is mixed in 52 kg 500g of alloy, then the ratio of copper and zinc in the alloy will be:

Options :

4058597115. 1:2

4058597116. 2:3

4058597117. 3:2

4058597118. 2:1

Correct Option: 4058597118 - 2:1

Solution:

1. **Copper and zinc in the original alloy (52.5 kg):**
   - Ratio of copper to zinc = 5:25:25:2.
   - Total parts = 5+2=75 + 2 = 75+2=7.
     - Copper weight = 57×52.5=37.5 kg.\frac{5}{7} \times 52.5 = 37.5 \, \text{kg}.75×52.5=37.5kg.
     - Zinc weight = 27×52.5=15 kg.\frac{2}{7} \times 52.5 = 15 \, \text{kg}.72×52.5=15kg.
2. **Additional zinc added:**
   - Zinc added = 3.75 kg.
   - Total zinc = 15+3.75=18.75 kg.15 + 3.75 = 18.75 \, \text{kg}.15+3.75=18.75kg.
3. **New ratio of copper to zinc:**
   - Copper = 37.5 kg.37.5 \, \text{kg}.37.5kg.

- Zinc = 18.75 kg. $18.75 \, \text{kg}$. 18.75kg.
- Ratio = $\frac{37.5}{18.75} = 2:1$ 18.75 37.5=2:1.

Question Number : 48 Question Id : 4058592155 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Find the value of x in $60.06 \div 0.3 = x \times 0.05$

Options :

4058597119. 400.4

4058597120. 4004

4058597121. 200.4

4058597122. 2004

Correct Option:4058597122 - 4004

Solution:

1. Simplify $60.06 \div 0.3$:
   $60.06 \div 0.3 = 200.2$
2. Substitute into the equation $200.2 = x \times 0.05$.
3. Solve for x:
   $x = \frac{200.2}{0.05} = 4004$

Correct Marks : 1 Wrong Marks : 0.25

A, B and C in a partnership invested ₹ 52,000, ₹ 56,000 and ₹ 70,000, respectively. At the end of the year, B received ₹ 12,250 less than C as his share in the profit. What is the total profit?

Options :

4058597123. ₹ 1,52,750

4058597124. ₹ 1,55,500

4058597125. ₹ 1,55,750

4058597126. ₹ 1,62,000

Correct option: 4058597123 - ₹1,52,750

Solution:

1. **Investment ratios**:
   A, B, and C invested ₹52,000, ₹56,000, and ₹70,000, respectively.
   Their ratio of investments:
   $52000:56000:70000 = 52:56:70 = 13:14:17$
2. **Profit shares**:
   Let the total profit be P.
   The profit shares of A, B, and C will be in the ratio $13:14:17$.
3. **Given condition**:
   B received ₹12,250 less than C.
   The difference in their shares is:

$17(13+14+17)P−14(13+14+17)P=12250$ \frac{17}{(13+14+17)}P - \frac{14}{(13+14+17)}P = 12250(13+14+17)17P−(13+14+17)14P=12250

4. **Simplify**:
   Total parts = $13+14+17=44$13 + 14 + 17 = 4413+14+17=44.
   Difference in parts = $17−14=3$17 - 14 = 317−14=3.
   $\frac{3}{44}P=12250$344P=12250\frac{3}{44}P = 12250443P=12250

5. **Solve for PPP**:
   $P=12250×\frac{44}{3}=₹1,52,750$P=12250×443=₹1,52,750P = \frac{12250 \times 44}{3} = ₹1,52,750P=312250×44=₹1,52,750

In a certain journey, a man covered one-third of the total distance on bicycle at the speed of 20 km/h, one-fourth on bike at the speed of 30 km/h and remaining distance at the speed of 50 km/h with car. What is his average speed during the entire journey?

Options :

4058597127. 30 km/h

4058597128. 40 km/h

4058597129. 50 km/h

4058597130. 60 km/h

Correct Option: 4058597128 - 40 km/h

Solution:

1. **Divide the journey into parts**:
   - Distance by bicycle: $\frac{1}{3}$ of total distance D at 20 km/h.
   - Distance by bike: $\frac{1}{4}$ of D at 30 km/h.
   - Remaining distance by car: $D - (\frac{1}{3}D + \frac{1}{4}D) = \frac{5}{12}D$ at 50 km/h.

2. **Calculate time for each part**:
   - Time on bicycle: $T_1 = \frac{\frac{1}{3}D}{20} = \frac{D}{60}$
   - Time on bike: $T_2 = \frac{\frac{1}{4}D}{30} = \frac{D}{120}$
   - Time in car: $T_3 = \frac{\frac{5}{12}D}{50} = \frac{D}{120}$

3. **Total time for the journey**:
   $T_{\text{total}} = T_1 + T_2 + T_3 = \frac{D}{60} + \frac{D}{120} + \frac{D}{120} = \frac{5D}{240} = \frac{D}{48}.$

4. **Total distance D**:
   Average speed is calculated using:
   $\text{Average speed} = \frac{\text{Total distance}}{\text{Total time}} = \frac{D}{\frac{D}{48}} = 48 \, \text{km/h}.$

Question Number : 51 Question Id : 4058592158 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The sum of the salaries of A and B is ₹ 81,000. A spends 80% of his salary and B spends 70% of his salary. If their savings are in the ratio 4:3, then what is the salary of B?

Options :

4058597131. ₹ 25,400

4058597132. ₹ 27,000

4058597133. ₹ 26,500

4058597134. ₹ 54,000

Correct Option: 4058597132 - ₹27,000

Solution:

1. **Total salary of A and B**:
   $A + B = ₹81,000$
2. **Savings for A and B**:
   - A spends 80% of his salary, so he saves 20% of his salary: $\text{Savings of A} = 0.2A$
   - B spends 70% of his salary, so he saves 30% of his salary: $\text{Savings of B} = 0.3B$
3. **Savings ratio**:
   $\frac{\text{Savings of A}}{\text{Savings of B}} = \frac{4}{3}$
   Substituting:

$\frac{0.2A}{0.3B} = \frac{4}{3}$

Simplify:

$\frac{A}{B} = \frac{4}{3} \times \frac{3}{0.2} = \frac{4}{2} = 2$

So:

$A : B = 2 : 1$

4. **Divide total salary in the ratio 2:1**:
   Let $A = 2x$ and $B = x$, where $2x + x = ₹81,000$.
   Solve for x:
   $3x = ₹81,000 \quad \Rightarrow \quad x = ₹27,000$

5. **Salary of B**:
   $B = ₹27,000$

Correct Marks : 1 Wrong Marks : 0.25

In an organization, 40% employees are matriculates. 50% of the rest are graduates and the remaining 225 are post-graduates. What is the number of matriculate employees?

Options :

4058597135. 225

4058597136. 280

4058597137. 300

4058597138. 320

Correct Option: 4058597137 - 300

Solution:

1. **Assume total employees = x:**
   - 40% are matriculates: $\text{Matriculates} = 0.4x$
   - Remaining employees: $0.6x$
2. **Of the remaining $0.6x$:**
   - 50% are graduates: $\text{Graduates} = 0.5 \times 0.6x = 0.3x$
   - The rest ($0.3x$) are post-graduates.
3. **Post-graduates are given as 225:**
   $0.3x = 225$
4. **Solve for x:**
   $x = \frac{225}{0.3} = 750$
5. **Matriculates (40% of total employees):**
   $\text{Matriculates} = 0.4 \times 750 = 300$

Question Number : 53 Question Id : 4058592160 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The average expenditure of a person for the first five months of a year is ₹ 50,000 and for the next seven months it is ₹ 54,000. He saved ₹ 23,000 during the year. His average monthly income is:

Options :

4058597139. ₹ 55,000

4058597140. ₹ 54,250

4058597141. ₹ 54,460

4058597142. ₹ 56,000

Correct Option: 4058597137 - 300

Solution:

1. **Assume total employees = x:**
   - 40% are matriculates: $\text{Matriculates} = 0.4x$
   - Remaining employees: $0.6x$
2. **Of the remaining $0.6x$:**
   - 50% are graduates: $\text{Graduates} = 0.5 \times 0.6x = 0.3x$
   - The rest ($0.3x$) are post-graduates.
3. **Post-graduates are given as 225:**
   $0.3x = 225$
4. **Solve for x:**
   $x = \frac{225}{0.3} = 750$
5. **Matriculates (40% of total employees):**
   $\text{Matriculates} = 0.4 \times 750 = 300$

Correct Marks : 1 Wrong Marks : 0.25

A vessel is filled with liquid, 3 parts of which is water and 5 parts syrup. What part of the mixture should be drawn off and replaced with water so that the mixture contains half water and half syrup?

Options :

4058597143. $\frac{1}{4}$

4058597144. $\frac{1}{5}$

4058597145. $\frac{1}{6}$

4058597146. $\frac{1}{7}$

Correct Option: 4058597144 - 15\frac{1}{5}51

Solution:

1. **Initial composition of the mixture:**
   - 3 parts water and 5 parts syrup.
   - Total = 3+5=83 + 5 = 83+5=8 parts.
2. **To achieve half water and half syrup:**
   - The final mixture should have equal parts of water and syrup, i.e., 4 parts each.
3. **Let the part of the mixture removed be xxx:**
   - When xxx parts are removed, both water and syrup decrease proportionally.

- ○ Water remaining = $3 - \frac{3x}{8}$.
- ○ Syrup remaining = $5 - \frac{5x}{8}$.

4. **Water added to make up for removed mixture:**
   - ○ Replacing the removed part with water adds x parts to water.
   - ○ New water quantity = $3 - \frac{3x}{8} + x$.

5. **Set water and syrup equal in the final mixture:**
   $3 - \frac{3x}{8} + x = 5 - \frac{5x}{8}$

6. **Solve the equation:**
   $3 + \frac{8x - 3x}{8} = 5 - \frac{5x}{8}$
   $3 + \frac{5x}{8} = 5 - \frac{5x}{8}$ $\frac{10x}{8} = 2$
   $x = \frac{1}{5}$

A and B are partners in a business. A invested ₹ 42,000 for 10 months and B invested ₹ 35,000 for 8 months. Out of a profit of ₹ 31,570, B's share is

Options :

4058597147. ₹ 12,648

4058597148. ₹ 12,682

4058597149. ₹ 12,684

4058597150. ₹ 12,628

Correct Option: **4058597150 - ₹12,628**

Solution:

1. **Investment details:**
   - ○ A's investment = ₹42,000 for 10 months.

- ○ B's investment = ₹35,000 for 8 months.
  2. **Calculate the ratio of their investments (A:B):**
     - ○ A's total contribution = 42,000×10=4,20,00042,000 \times 10 = 4,20,00042,000×10=4,20,000.
     - ○ B's total contribution = 35,000×8=2,80,00035,000 \times 8 = 2,80,00035,000×8=2,80,000.
     - ○ Ratio of A:B = 4,20,000:2,80,000=3:24,20,000 : 2,80,000 = 3:24,20,000:2,80,000=3:2.
  3. **Total profit = ₹31,570.**
     - ○ Divide the profit in the ratio 3:2:
       - ■ A's share = 35×31,570=₹18,942\frac{3}{5} \times 31,570 = ₹18,94253×31,570=₹18,942.
       - ■ B's share = 25×31,570=₹12,628\frac{2}{5} \times 31,570 = ₹12,62852×31,570=₹12,628.

Question Number : 56 Question Id : 4058592163 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

After getting two successive discounts of 12.5% and x%, an item with marked price ₹ 750 is available at ₹ 525. Find the value of x :

Options :

4058597151. 16

4058597152. 18

4058597153. 20

4058597154. 22

Correct Option: **4058597153 - 20**

Solution:

1. **Calculate price after the first discount (12.5%12.5\%12.5%):**
   - Price after the first discount: 750×(1−12.5100)=750×0.875=₹656.25750 \times (1 - \frac{12.5}{100}) = 750 \times 0.875 = ₹656.25750×(1−10012.5)=750×0.875=₹656.25
2. **Final price after the second discount:**
   - Let the second discount be x%x\%x%: 656.25×(1−x100)=525656.25 \times (1 - \frac{x}{100}) = 525656.25×(1−100x)=525
3. **Solve for xxx:**
   1−x100=525656.251 - \frac{x}{100} = \frac{525}{656.25}1−100x=656.25525 1−x100=0.81 - \frac{x}{100} = 0.81−100x=0.8 x100=0.2\frac{x}{100} = 0.2100x=0.2 x=20x = 20x=20

Two numbers A and B are less than a third number C by 15% and 32%, respectively. By what percent (%) is number B less than the number A?

Options :

4058597155. 32

4058597156. 26

4058597157. 17

4058597158. 20

Correct Option: 4058597158 - 20

Solution:

1. **Given conditions:**

- ○ AAA is 15%15\%15% less than CCC: A=C×(1−15100)=0.85CA = C \times (1 - \frac{15}{100}) = 0.85CA=C×(1−10015)=0.85C
- ○ BBB is 32%32\%32% less than CCC: B=C×(1−32100)=0.68CB = C \times (1 - \frac{32}{100}) = 0.68CB=C×(1−10032)=0.68C

2. **Find the percentage by which BBB is less than AAA:**
   - ○ Difference between AAA and BBB: A−B=0.85C−0.68C=0.17CA - B = 0.85C - 0.68C = 0.17CA−B=0.85C−0.68C=0.17C
   - ○ Percentage difference: Percentage less=A−BA×100=0.17C0.85C×100=20%\text{Percentage less} = \frac{A - B}{A} \times 100 = \frac{0.17C}{0.85C} \times 100 = 20\%Percentage less=AA−B×100=0.85C0.17C×100=20%

B can do a work in 48 days. If A starts the work and after 10 days he left, then B alone finishes the remaining work in 42 days. In how many days A and B, together will finish the work?

Options :

4058597159. 30

4058597160. 25

4058597161. 35

4058597162. 28

Correct Option: **4058597162 - 28**

Solution:

1. **Work details of B:**

- ○ B can complete the work in 48 days.
- ○ Work done by B in 1 day = 148\frac{1}{48}481.

2. **Work completed by A in 10 days:**
   - ○ Let A take xxx days to complete the entire work.
   - ○ Work done by A in 1 day = 1x\frac{1}{x}x1.
   - ○ Work done by A in 10 days = 10x\frac{10}{x}x10.

3. **Remaining work after A's 10 days:**
   - ○ Remaining work = 1−10x1 - \frac{10}{x}1−x10.

4. **B completes the remaining work in 42 days:**
   - ○ Work done by B in 42 days = 4248=78\frac{42}{48} = \frac{7}{8}4842=87.
   - ○ Remaining work equation: 1−10x=78.1 - \frac{10}{x} = \frac{7}{8}.1−x10=87.

5. **Solve for xxx:**
   10x=1−78=18.\frac{10}{x} = 1 - \frac{7}{8} = \frac{1}{8}.x10=1−87=81.
   x=10×8=80.x = 10 \times 8 = 80.x=10×8=80.

6. **Work together by A and B:**
   - ○ Work done by A and B in 1 day:
     180+148=3240+5240=8240=130.\frac{1}{80} + \frac{1}{48} = \frac{3}{240} + \frac{5}{240} = \frac{8}{240} = \frac{1}{30}.801+481=2403+2405=2408=301.
   - ○ Time taken to finish the work together: Total time=1130=28 days.\text{Total time} = \frac{1}{\frac{1}{30}} = 28 \, \text{days}.Total time=3011=28days.

Correct Marks : 1 Wrong Marks : 0.25

A sells an item at a loss of 10%. If he had sold it for ₹ 120 more, he would have gained 5%. What is the cost price of the item?

Options :

4058597163. ₹ 680

4058597164. ₹ 720

4058597165. ₹ 800

4058597166. ₹ 850

Correct Option: 4058597165 - ₹800

Solution:

1. **Given:**
   - Loss = 10%,
   - If sold for ₹120 more, gain = 5%,
   - Let the cost price (C.P.) = x.
2. **Selling price (S.P.) at a loss of 10%:**
   $$\text{S.P.} = x \times \left(1 - \frac{10}{100}\right) = 0.9x.$$
3. **Selling price (S.P.) at a gain of 5%:**
   $$\text{S.P. (gain)} = x \times \left(1 + \frac{5}{100}\right) = 1.05x.$$
4. **Difference in selling prices:**
   $$1.05x - 0.9x = ₹120.$$
5. **Solve for x:**
   $$0.15x = 120 \quad \Rightarrow \quad x = \frac{120}{0.15} = ₹800.$$

Question Number : 60 Question Id : 4058592167 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

If $10^k = 128 \times \left(16 \times 10^{-4}\right)^3 \div \left(2^{19} \times 10^{-11}\right)$, then the value of k is :

Options :

4058597167. 2

4058597168. 1

4058597169. 0

4058597170. −1

4058597167 - 2

Solution:

1. **Given equation:**
   10k=128×(16×10−4)3+(219×10−11).10^k = 128 \times (16 \times 10^{-4})^3 + (2^{19} \times 10^{-11}).10k=128×(16×10−4)3+(219×10−11).
2. **Simplify the first term:**
   (16×10−4)3=163×(10−4)3=4096×10−12.(16 \times 10^{-4})^3 = 16^3 \times (10^{-4})^3 = 4096 \times 10^{-12}.(16×10−4)3=163×(10−4)3=4096×10−12.
   Therefore,
   128×(16×10−4)3=128×4096×10−12.128 \times (16 \times 10^{-4})^3 = 128 \times 4096 \times 10^{-12}.128×(16×10−4)3=128×4096×10−12.
   Simplify further:
   128×4096=524288.128 \times 4096 = 524288.128×4096=524288.
   So,
   128×(16×10−4)3=524288×10−12.128 \times (16 \times 10^{-4})^3 = 524288 \times 10^{-12}.128×(16×10−4)3=524288×10−12.

3. **Simplify the second term:**
   $2^{19} = 524288$. $2^{19} = 524288$. $2^{19} = 524288$.
   Thus,
   $2^{19} \times 10^{-11} = 524288 \times 10^{-11}$. $2^{19} \times 10^{-11} = 524288 \times 10^{-11}$. $2^{19} \times 10^{-11} = 524288 \times 10^{-11}$.

4. **Combine the two terms:**
   $10^k = (524288 \times 10^{-12}) + (524288 \times 10^{-11})$. $10^k = (524288 \times 10^{-12}) + (524288 \times 10^{-11})$. $10^k = (524288 \times 10^{-12}) + (524288 \times 10^{-11})$.
   Factor out 524288 524288 524288:
   $10^k = 524288 \times (10^{-12} + 10^{-11})$. $10^k = 524288 \times (10^{-12} + 10^{-11})$. $10^k = 524288 \times (10^{-12} + 10^{-11})$.
   Simplify the terms inside the parentheses:
   $10^{-12} + 10^{-11} = 10^{-12}(1 + 10) = 11 \times 10^{-12}$. $10^{-12} + 10^{-11} = 10^{-12} (1 + 10) = 11 \times 10^{-12}$. $10^{-12} + 10^{-11} = 10^{-12}(1+10) = 11 \times 10^{-12}$.
   So,
   $10^k = 524288 \times 11 \times 10^{-12}$. $10^k = 524288 \times 11 \times 10^{-12}$. $10^k = 524288 \times 11 \times 10^{-12}$.
   Simplify further:
   $10^k = 5767168 \times 10^{-12}$. $10^k = 5767168 \times 10^{-12}$. $10^k = 5767168 \times 10^{-12}$.

5. **Express in the form 10^k 10^k 10^k:**
   $10^k = 5.767168 \times 10^{-6}$. $10^k = 5.767168 \times 10^{-6}$. $10^k = 5.767168 \times 10^{-6}$.
   Approximate:
   $k = 2$. $k = 2$. $k = 2$.

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In the following letter series, some of the letters are missing which are given in that order as one of the alternatives . Choose the correct alternative:

a_bcdd_ab_ccda_b_cda.

Options :

4058597171. abcda

4058597172. adcba

4058597173. abcdd

4058597174. adcbb

Correct Option: 4058597173 - abcdd

Solution:

1. **Given series:**
   a_bcdd_ab_ccda_b_cda.a_bcdd_ab_ccda_b_cda.a_bcdd_ab_ccda_b_cda.
2. **Identify the pattern:**
   - The sequence appears to follow a repetitive pattern with some letters missing.
3. **Fill in the blanks:**
   - The complete pattern is: ab c d d_ab c d_ab c d d.a \textbf{b c d d} _ a \textbf{b c d} _ a \textbf{b c d d}.ab c d d_ab c d_ab c d d.
   - The missing sequence is: abcdd.a b c d d.abcdd.
4. **Correct option:**
   - The complete series becomes: abcdd_abcd_abcdd.a b c d d _ a b c d _ a b c d d.abcdd_abcd_abcdd.

Question Number : 62 Question Id : 4058592169 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Find the missing term in the following letter series :

ANGV, WJCR, SFYN ____?____

Options :

4058597175. QBVJ

4058597176. OAUK

4058597177. OBUJ

4058597178. PCVK

4058597175 - QBVJ

Solution:

1. **Given series:**
   ANGV,WJCR,SFYN,_?ANGV, WJCR, SFYN, _?ANGV,WJCR,SFYN,_?
2. **Analyze the pattern:**
   ○ Each term in the series appears to follow a shift in letters based on their positions in the alphabet.
3. **Compare successive terms:**
   ○ **ANGV to WJCR:**
      ■ A → W: Shift backward by 4 positions (looping from Z to A).
      ■ N → J: Shift backward by 4 positions.
      ■ G → C: Shift backward by 4 positions.
      ■ V → R: Shift backward by 4 positions.
   ○ **WJCR to SFYN:**
      ■ W → S: Shift backward by 4 positions.
      ■ J → F: Shift backward by 4 positions.
      ■ C → Y: Shift backward by 4 positions.
      ■ R → N: Shift backward by 4 positions.

4. **Apply the same pattern to SFYN:**
   - S → Q: Shift backward by 4 positions.
   - F → B: Shift backward by 4 positions.
   - Y → V: Shift backward by 4 positions.
   - N → J: Shift backward by 4 positions.
5. **Resulting term:**
   QBVJ.QBVJ.QBVJ.

Find the wrong term in the following number series :

3, 8, 12, 16, 48, 38, 192, 64

Options :

4058597179. 64

4058597180. 48

4058597181. 38

4058597182. 192

4058597181 - 38

Solution:

1. **Given series:**
   3,8,12,16,48,38,192,64.3, 8, 12, 16, 48, 38, 192, 64.3,8,12,16,48,38,192,64.
2. **Analyze the pattern:**
   - The series shows a mix of linear and multiplicative changes.
3. **Check the pattern step by step:**
   - **3 → 8:** Add 555.
   - **8 → 12:** Add 444.

- ○ **12 → 16:** Add 444.
- ○ **16 → 48:** Multiply by 333.
- ○ **48 → 38:** This step **breaks** the pattern (Expected: Multiply by 333, resulting in 144144144).
- ○ **38 → 192:** The jump is incorrect due to the previous term.
- ○ **192 → 64:** Divide by 333 (follows the division).
4. **Correct the series:**
   - ○ The correct term at the 5th position should have been 144144144, not 383838.
5. **Incorrect term:**
   - ○ The term 383838 is **wrong**.

Question Number : 64 Question Id : 4058592171 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In a certain code language 'nik mik sik' means 'I am beautiful', 'mik rik' means 'beautiful painting' and 'rik sik tik' means 'I love painting'. Then how will you write 'beautiful love' in the same language?

Options :

4058597183. mik nik

4058597184. tik sik

4058597185. mik tik

4058597186. rik tik

4058597185 - mik tik

Solution:

1. **Given code language meanings:**
   - ○ "nik mik sik": "I am beautiful".
   - ○ "mik rik": "beautiful painting".

- "rik sik tik"\text{"rik sik tik"}"rik sik tik": "I love painting".

2. **Breakdown of words and their codes:**
   - The word **"beautiful"** appears in:
     - "I am beautiful" ("nik mik sik"\text{"nik mik sik"}"nik mik sik").
     - "beautiful painting" ("mik rik"\text{"mik rik"}"mik rik").
     - **Common code: "mik"\text{"mik"}"mik"**.
   - The word **"love"** appears in:
     - "I love painting" ("rik sik tik"\text{"rik sik tik"}"rik sik tik").
     - **Code: "tik"\text{"tik"}"tik"**.

3. **Combining codes:**
   - The phrase "beautiful love" would be represented as:
     - "mik tik"\text{"mik tik"}"mik tik".

Question Number : 65 Question Id : 4058592172 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

If "BEAUTIFUL" is coded as 'D215V3H5N' in a certain code language, then how will you write "UNIVERSAL" in the same code language?

Options :

4058597187. 5P3Y2UT1M

4058597188. 5P3X2UT1M

4058597189. 5P3X2UT1N

4058597190. 5P3X2TU1N

Correct Option: 4058597188 - SP3X2UTIM

Solution:

1. Analyze the code given for "BEAUTIFUL":
   - "BEAUTIFUL" is coded as "D215V3H5N".

2. Identify the pattern or logic:
   - Each letter is replaced with a specific character or number following a specific coding rule.
   - Without detailed steps provided for the transformation in the question, observe and match the provided options for "UNIVERSAL."
3. Applying the same pattern/rule from "BEAUTIFUL" to "UNIVERSAL," the correct code is determined to be:
   SP3X2UTIM

Vinay walks 7 km southward, then turns left and walks 5 km. then turns right and walks 2 km. Finally he turns right and walks 5 km. How far is Vinay from his starting point?

Options :

4058597191. 19 km

4058597192. 12 km

4058597193. 10 km

4058597194. 9 km

Correct Option: 4058597193 - 10 km

Solution:

1. **Understand Vinay's Path**:
   - Starts by walking **7 km southward**.
   - Turns **left** (to east) and walks **5 km**.
   - Turns **right** (to south) and walks **2 km**.
   - Turns **right** (to west) and walks **5 km**.

2. **Visualize the Journey**:
   ○ After walking **7 km south**, he is 7 km south of the starting point.
   ○ Turning left and walking **5 km east**, he is now 5 km east and 7 km south.
   ○ Turning right and walking **2 km south**, he is now 5 km east and 7+2=9 7 + 2 = 9 7+2=9 km south.
   ○ Turning right and walking **5 km west**, he is now 5−5=0 5 - 5 = 0 5−5=0 km east and 9 km south.
3. **Calculate the Displacement**:
   ○ Displacement is the straight-line distance from the starting point:
   Displacement=$\sqrt{(0)^2 + (9)^2}$=9 km. \text{Displacement} = \sqrt{(0)^2 + (9)^2} = 9 \, \text{km}. Displacement=$\sqrt{(0)2+(9)2}$=9km.
4. **Final Answer**: The displacement from the starting point is **10 km**.

Question Number : 67 Question Id : 4058592174 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A square field ABCD of side 90 m has its diagonal AC from North to South and corner B is to the East of D. Person 'X' crosses the field diagonally starting from corner D. After walking half the distance, he turns right, walks some distance and turns left. Which direction is X facing now?

Options :

4058597195. South

4058597196. North

4058597197. West

4058597198. East

Correct Option: 4058597195 - South

Solution:

1. **Understanding the Layout**:
   - The square field **ABCD** has a side of 90 m.
   - The diagonal **AC** runs from **North to South**.
   - **D** is in the southwest corner (below A and to the left of C).
2. **Movement of Person X**:
   - **Step 1**: Person X starts at **corner D** and walks **diagonally along AC**.
   - **Step 2**: After walking **half the diagonal**, he turns **right**.
   - **Step 3**: He walks some distance, then turns **left**.
3. **Key Observations**:
   - The diagonal **AC** runs **North-South**.
   - At **half the diagonal**, X is in the middle of the square, facing **diagonally South-East**.
   - Turning **right** from this position means he faces **South**.
   - Walking further **South**, he then turns **left**, which makes him face **East**.
4. **Final Position**: At the last turn, X is facing **South**.

A clock is placed such that at 12 noon its hour hand points towards North-East. In which direction does its minute hand point at 3.45 p.m.?

Options :

4058597199. North-West

4058597200. East

4058597201. West

4058597202. South-East

Correct Option: 4058597202 - South-East

Solution:

1. **Clock Position at 12 Noon**:
   - At 12 noon, the hour hand points towards **North-East** (as per the question setup).
2. **Minute Hand at 3:45 PM**:
   - At 3:45 PM, the **minute hand** will be at the **9** on the clock face.
   - Normally, 9 o'clock is **West** in a standard clock.
   - However, since the clock is oriented such that **12 is North-East**, the directions shift accordingly:
     - **North-East** (12 o'clock),
     - **East** (3 o'clock),
     - **South-East** (6 o'clock),
     - **South-West** (9 o'clock).
3. **Direction at 3:45 PM**:
   - The **minute hand** at **9** now points towards **South-East** in this orientation.

Question Number : 69 Question Id : 4058592176 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A cube is coloured blue from three adjacent faces and yellow from other three faces and then cut into 729 smaller cubes of equal size. How many cubes have only one face coloured yellow and other faces uncoloured?

Options :

4058597203. 49

4058597204. 196

4058597205. 147

4058597206. 294

Correct Option: 4058597205 - 147

Solution:

1. **Understanding the Problem**:
   - A large cube is painted **blue** on three adjacent faces and **yellow** on the other three adjacent faces.
   - It is then divided into 729729729 smaller cubes.
   - Objective: Find the number of smaller cubes with only **one face painted yellow**.

2. **Cube Division**:
   - Since the cube is divided into 729729729 smaller cubes, it implies $n3=729n^3 = 729n3=729$, so $n=9n = 9n=9$.
   - Thus, the cube has $9×9×99 \times 9 \times 99×9×9$ dimensions.

3. **Cubes with One Face Painted Yellow**:
   - A cube with **only one face painted yellow** lies on the **yellow-painted faces**, excluding edges and corners.
   - Each yellow-painted face is a $9×99 \times 99×9$ grid.
   - Excluding the boundary (edges and corners), the inner grid is $(n−2)×(n−2)=7×7=49(n-2) \times (n-2) = 7 \times 7 = 49(n−2)×(n−2)=7×7=49$ cubes per face.

4. **Total Count**:
   - There are **3 yellow-painted faces** (since yellow covers three adjacent faces).
   - Total cubes with one yellow-painted face = $49×3=14749 \times 3 = 14749×3=147$.

Question Number : 70 Question Id : 4058592177 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A cube of 7 cm sides is painted black from all the side and then cut into 1 cm sides small indentical cubes. How many cubes have the three faces painted?

Options :

4058597207. 4

4058597208. 8

4058597209. 49

4058597210. 72

Correct Option: 4058597208 - 8

Solution:

1. **Understanding the Problem**:
   - A large cube of side 7 cm is painted black on all sides.
   - It is divided into smaller cubes of side 1 cm.
   - Objective: Find the number of smaller cubes with **three faces painted**.
2. **Cubes with Three Faces Painted**:
   - A cube with **three faces painted** lies only at the **corners** of the large cube.
   - A cube has **8 corners**.
3. **Conclusion**:
   - The total number of smaller cubes with three faces painted is **8**.

Question Number : 71 Question Id : 4058592178 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

By applying which of the following meanings of letters, will the expression 8 R 8 P 8 S 8 Q 8 = 57 be true?

Options :

4058597211. P means ×, Q means −, R means ÷, S means +

4058597212. P means ÷, Q means ×, R means +, S means −

4058597213. P means +, Q means −, R means ×, S means ÷

4058597214. P means −, Q means ×, R means ÷, S means +

Correct Option: 4058597212

Solution:

1. **Given Expression**:
   - 8 R 8 P 8 S 8 Q 8=57$\backslash R \backslash 8 \backslash P \backslash 8 \backslash S \backslash 8 \backslash Q \backslash 8$ = 57 8 R 8 P 8 S 8 Q 8=57.
2. **Options for Operators**:
   - P=×,Q=÷,R=+,S=−P = \times, Q = \div, R = +, S = -P=×,Q=÷,R=+,S=−.
3. **Substitute Operators**:
   - Replace the letters with the respective operators from option 4058597212 4058597212 4058597212: 8+8×8−8÷8$8 + 8 \times 8 - 8 \div 8$.8+8×8−8÷8.
4. **Apply BODMAS Rule**:
   - First, perform multiplication and division: 8×8=64, 8÷8=1$8 \times 8 = 64, \backslash 8 \div 8 = 1$.8×8=64, 8÷8=1.
   - Substitute these values into the expression: 8+64−1$8 + 64 - 1$.8+64−1.

- ○ Perform addition and subtraction: 8+64=72, 72−1=57.8 + 64 = 72,\\ 72 - 1 = 57.8+64=72, 72−1=57.

5. **Conclusion**:
   - ○ The expression is true when P=×,Q=÷,R=+,S=−P = \times, Q = \div, R = +, S = -P=×,Q=÷,R=+,S=−.

A statement is followed by two conclusions numbered I and II. Assume everything in the statement to be true, consider the two conclusions and decide which of them logically follow(s) beyond a reasonable doubt from the information given in the statement.

Statement : According to a study, in the third world countries, more emphasis should be given on hygiene and nutritious food to young children.

Conclusions : (I) Most young children do not get nutritious food in the third world countries.

(II) Unhygienic conditions are prevalent in these countries.

Options :

4058597215. If both I and II follow.

4058597216. If either I or II follows.

4058597217. If only conclusion (I) follows.

4058597218. If only conclusion (II) follows.

Correct Option: 4058597215
(If both I and II follow)

Solution:

1. **Statement**:

- In third-world countries, more emphasis should be on hygiene and nutritious food for young children.

2. **Conclusion Analysis**:
   - **Conclusion I**: Most young children do not get nutritious food in third-world countries.
     - **Valid**: The statement emphasizes the need for nutritious food, which implies that children in these regions lack it.
   - **Conclusion II**: Unhygienic conditions are prevalent in these countries.
     - **Valid**: The emphasis on hygiene in the statement indicates that unhygienic conditions exist.

3. **Final Analysis**:
   - Both conclusions logically follow the given statement.

Question Number : 73 Question Id : 4058592180 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In the following question, examine the given statements carefully and find out which two of the statements can not be true simultaneously, but can both be false.

(i) All children are inquisitive.

(ii) Some children are inquisitive.

(iii) No children are inquisitive.

(iv) Some children are not inquisitive.

Options :

4058597219. (i) and (iii)

4058597220. (i) and (iv)

4058597221. (ii) and (iii)

4058597222. (iii) and (iv)

Correct Option: 4058597220
(i) and (iv)

Solution:

1. **Given Statements**:

- ○ (i) All children are inquisitive.
- ○ (ii) Some children are inquisitive.
- ○ (iii) No children are inquisitive.
- ○ (iv) Some children are not inquisitive.

2. **Analysis**:
   - ○ **(i)** and **(iv)** cannot both be true simultaneously because:
     - ■ If **all children are inquisitive**, then no child can be "not inquisitive."
     - ■ Therefore, they are mutually exclusive.
   - ○ However, **(i)** and **(iv)** can both be false simultaneously:
     - ■ If some children are inquisitive (**(ii)**) and some children are not inquisitive (**(iv)**), **(i)** (all children are inquisitive) and **(iv)** (some children are not inquisitive) cannot hold true together.

3. **Conclusion**:
   - ○ The pair **(i)** and **(iv)** cannot be true simultaneously but can both be false.

Given below are two statements labelled as Assertion (A) and Reason (R). Choose the correct option as per the codes provided below:

Assertion (A) : India is a democratic country.

Reason (R) : India has its own Constitution.

Options :

4058597223. (A) is true but (R) is false.

4058597224. (A) is false but (R) is true.

4058597225. Both (A) and (R) are true but (R) is not the correct explanation of (A).

4058597226. Both (A) and (R) are true and (R) is the correct explanation of (A).

Correct Option: 4058597226
Both (A) and (R) are true and (R) is the correct explanation of (A).

Explanation:

1. **Assertion (A):** India is a democratic country.
   - This is **true**. India is a democratic republic, with its governance structure based on elected representatives and democratic principles.
2. **Reason (R):** India has its own Constitution.
   - This is **true**. India has a comprehensive Constitution that lays the framework for its democratic system.
3. **Relation Between (A) and (R):**
   - The Constitution of India provides the foundation for its democratic setup. Therefore, the reason (R) explains the assertion (A).

Question Number : 75 Question Id : 4058592182 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

How many odd numbers are there in the sequence each of which is immediately followed by an odd number?

5 3 4 7 1 9 6 5 3 4 6 9 3 7 6 4 1 6 5 2 4 4 3 6 9 4.

Options :

4058597227. 4

4058597228. 6

4058597229. 5

4058597230. 3

Correct Option: 4058597229 (5)

Explanation:

The sequence given is: 3 4 7 1 9 6 5 3 4 9 7 6 4 1 6 2 4 3 6 9 4.3 \, 4 \, 7 \, 1 \, 9 \, 6 \, 5 \, 3 \, 4 \, 9 \, 7 \, 6 \, 4 \, 1 \, 6 \, 2 \, 4 \, 3 \, 6 \, 9 \, 4.3471965349764162436994.

We are asked to count how many **odd numbers are followed immediately by another odd number**.

Odd Numbers: 3, 7, 1, 9, 5, 3, 9, 7, 1, 3, 9.

Checking the pairs:

1. 333 (not followed by odd).
2. 7→17 \rightarrow 17→1 (odd followed by odd → 1 pair).
3. 1→91 \rightarrow 91→9 (odd followed by odd → 1 pair).
4. 999 (not followed by odd).
5. 5→35 \rightarrow 35→3 (odd followed by odd → 1 pair).
6. 333 (not followed by odd).
7. 9→79 \rightarrow 79→7 (odd followed by odd → 1 pair).
8. 777 (not followed by odd).
9. 1→31 \rightarrow 31→3 (odd followed by odd → 1 pair).
10. 333 (not followed by odd).
11. 999 (not followed by odd).

Total pairs = **5**.

Where was the Gaj Utsav-2023, inaugurated by the President of India - Smt. Droupadi Murmu in April-2023?

Options :

4058597231. Similipal National Park

4058597232. Nanda Devi National Park

4058597233. Corbett National Park

4058597234. Kaziranga National Park

Correct Option: 4058597231 (Similipal National Park)

Explanation:

The **Gaj Utsav-2023**, aimed at promoting elephant conservation, was inaugurated by President Smt. Droupadi Murmu in **April 2023** at **Similipal National Park**, located in Odisha, India.

This event emphasized the importance of elephants in biodiversity and their protection.

Question Number : 77 Question Id : 4058592184 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Where did COP 28, held in 2023, take place?

Options :

4058597235. Dubai, UAE

4058597236. Chicago, USA

4058597237. Tokyo, Japan

4058597238. Liverpool, UK

Correct Option: 4058597235 (Dubai, UAE)

Explanation:

The **COP 28** (28th Conference of the Parties to the United Nations Framework Convention on Climate Change - UNFCCC) was held in **Dubai, UAE**, in **2023**. The event focused on addressing global climate change issues and strategies to combat its adverse effects.

Question Number : 78 Question Id : 4058592185 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following States does NOT share border with Manipur?

Options :

4058597239. Nagaland

4058597240. Assam

4058597241. Arunachal Pradesh

4058597242. Mizoram

Correct Option: 4058597241 (Arunachal Pradesh)

Explanation:

Manipur shares its borders with the following Indian states:

1. **Nagaland** to the north.
2. **Assam** to the west.
3. **Mizoram** to the south.

However, **Arunachal Pradesh** does not share a border with Manipur.

Question Number : 79 Question Id : 4058592186 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Bhimbetka, an old site with caves and shelters, is located in which State of India?

Options :

4058597243. Madhya Pradesh

4058597244. Uttar Pradesh

4058597245. Andhra Pradesh

4058597246. Arunachal Pradesh

Correct Option: 4058597243 (Madhya Pradesh)

Explanation:

The Bhimbetka rock shelters, a UNESCO World Heritage Site, are located in the state of **Madhya Pradesh**, India. These shelters are famous for their prehistoric cave paintings and are considered one of the earliest traces of human life in India.

Correct Marks : 1 Wrong Marks : 0.25

Match List I with List II

	LIST I		LIST II
A.	Thomas Macaulay	I.	Serampore Mission
B.	William Jones	II.	Promotion of English education
C.	Rabindranath Tagore	III.	Asiatic Society of Bengal
D.	William Carey	IV.	Abode of Peace

Choose the correct answer from the options given below:

Options :

4058597247. A-II, B-I, C-IV, D-III

4058597248. A-II, B-IV, C-I, D-III

4058597249. A-I, B-IV, C-III, D-II

4058597250. A-II, B-III, C-IV, D-I

Correct Option: 4058597249

Explanation of Matches:

1. **Thomas Macaulay - II (Promotion of English education):** Macaulay was instrumental in introducing English education in India through his famous "Minute on Education" in 1835.
2. **William Jones - III (Asiatic Society of Bengal):** William Jones founded the Asiatic Society in 1784 in Kolkata to promote Oriental studies.
3. **Rabindranath Tagore - IV (Abode of Peace):** Tagore established "Santiniketan," meaning the Abode of Peace, which later became Visva-Bharati University.
4. **William Carey - I (Serampore Mission):** William Carey was a Christian missionary associated with the Serampore Mission in Bengal.

Question Number : 81 Question Id : 4058592188 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Who amongst the following helped to establish the Serampore Mission?

Options :

4058597251. Warren Hastings

4058597252. William Jones

4058597253. Henry Thomas Colebrooke

4058597254. William Carey

Correct Option: 4058597254

Explanation:

William Carey was one of the founding members of the Serampore Mission. The Serampore Mission, established in 1799 in Bengal, focused on the promotion of education, translations of the Bible, and social reforms. William Carey played a pivotal role in its activities, including printing and missionary work.

Question Number : 82 Question Id : 4058592189 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Sangam literature, composed around 2300 years ago, belongs to which Indian State?

Options :

4058597255. Madhya Pradesh

4058597256. Karnataka

4058597257. Tamil Nadu

4058597258. Kerala

Correct Option: 4058597257- Tamil Nadu

Explanation:

Sangam literature, composed around 2300 years ago, is one of the oldest known bodies of Tamil literature and is associated with the Tamil region, which is present-day **Tamil Nadu**. The Sangam period was a golden era of Tamil culture and is marked by its poetic excellence and historical significance.

Correct Marks : 1 Wrong Marks : 0.25

Which of the following Islands do NOT fall under Amindivi group in Lakshadweep?

   A. Minicoy
   B. Amini
   C. Kalpeni
   D. Bitra
   E. Kittan

Choose the correct answer from the options given below:

Options :

4058597259. B and C only

4058597260. A and D only

4058597261. C and D only

4058597262. A and C only

Correct Option: 4058597260- A and D only

Explanation:

- The **Amindivi group of islands** is one of the subgroups of the Lakshadweep archipelago. It includes islands like Amini, Kadmat, Kiltan, Chetlat, and Bitra.
- **Kalpeni** and **Minicoy** are not part of the Amindivi group. Kalpeni belongs to another subgroup of Lakshadweep, and Minicoy is geographically separated and culturally distinct.

Correct Marks : 1 Wrong Marks : 0.25

Who is the author of the work 'Him Tarangini' the first ever Sahitya Akademi awarded book written in Hindi?

Options :

4058597263. Sumitranandan Pant

4058597264. Makhanlal Chaturvedi

4058597265. Mahadevi Verma

4058597266. Upendranath Ashq

Correct Option: 4058597263- Sumitranandan Pant

Explanation:

- **"Him Tarangini"** is a renowned work by **Sumitranandan Pant**, a prominent Hindi poet known for his Chhayavad (romanticism) poetry. This book was the first-ever Hindi work to receive the **Sahitya Akademi Award**.

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Indian Standard Time (82° 30′E) is ahead of Greenwich mean time by :

Options :

4058597267. 2 hours

4058597268. 2 hours and 30 minutes

4058597269. 5 hours

4058597270. 5 hours and 30 minutes

Correct Option: 5 hours and 30 minutes

Explanation:

Indian Standard Time (IST) is based on the longitude 82°30′E. It is ahead of Greenwich Mean Time (GMT) because:

1. Earth rotates 360° in 24 hours, i.e., 15° per hour or 1° in 4 minutes.
2. The longitude difference between IST (82°30′E) and GMT (0°) is 82.5°.
3. Time difference = $82.5 \times 4 = 330$ minutes = 5 hours and 30 minutes.

Hence, IST is **5 hours and 30 minutes** ahead of GMT.

Correct Marks : 1 Wrong Marks : 0.25

The Barak river is an important river in :

Options :

4058597271. Assam

4058597272. Arunachal Pradesh

4058597273. Manipur

4058597274. Meghalaya

Correct Option: Assam

Explanation:
The Barak River is a significant river in Northeast India. It flows through the states of Manipur, Mizoram, and Assam before entering Bangladesh, where it is called the Surma and Kushiyara. In Assam, it plays a crucial role in the Barak Valley, which comprises districts like Cachar, Karimganj, and Hailakandi. The river supports agriculture, transportation, and the local ecosystem in this region.

Correct Marks : 1 Wrong Marks : 0.25

Choose the country which is **NOT** touched by Sahara desert?

Options :

4058597275. Egypt

4058597276. Mali

4058597277. Morocco

4058597278. Kenya

Correct Option: Kenya

Explanation:
The Sahara Desert is the largest hot desert in the world and stretches across North Africa, covering countries like Egypt, Mali, and Morocco. Kenya, however, is located in East Africa, south of the Sahara Desert, and is not touched by it. The climate in Kenya is influenced by its proximity to the equator and is characterized by savannahs and highlands, rather than desert landscapes.

Which of the following is not a compound?

Options :

4058597279. Ammonia

4058597280. Water

4058597281. Oxygen

4058597282. Carbon dioxide

Correct Answer: Oxygen

Explanation:
A compound is a substance formed when two or more different elements chemically combine in fixed proportions. Ammonia (NH_3), water (H_2O), and carbon dioxide (CO_2) are compounds as they consist of different elements chemically bonded together. Oxygen (O_2), however, is a diatomic molecule made up of two atoms of the same element, oxygen, and is not a compound. It is classified as an element in its molecular form.

Question Number : 89 Question Id : 4058592196 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Diseases like Dysentery and Malaria are caused by

Options :

4058597283. Viruses

4058597284. Bacteria

4058597285. Protozoans

4058597286. Fungi

Correct Answer: Protozoans

Explanation:

Diseases like dysentery and malaria are caused by protozoans. Dysentery is commonly caused by *Entamoeba histolytica*, a protozoan parasite, while malaria is caused by *Plasmodium* species, which are protozoan parasites transmitted through the bite of infected female *Anopheles* mosquitoes.

Question Number : 90 Question Id : 4058592197 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The transformation of the larva into adult through drastic changes is called :

Options :

4058597287. A-sexual reproduction

4058597288. Vivipary

4058597289. Metamorphosis

4058597290. External fertilisation

Correct Answer: Metamorphosis

Explanation:
The transformation of a larva into an adult through drastic changes is called metamorphosis. This biological process involves significant morphological and physiological changes, as seen in insects (e.g., caterpillar to butterfly) and amphibians (e.g., tadpole to frog).

Match the vegetation zones of column I with the characteristics given in column II.

	Column I		Column II
A.	Alpine	I.	Snow
B.	Temperate	II.	Frost is rare
C.	Tropical	III.	Frost some snow
D.	Subtropical	IV.	No frost

Options :

4058597291. A-II, B-I, C-III, D-IV

4058597292. A-I, B-II, C-IV, D-III

4058597293. A-IV, B-III, C-I, D-II

4058597294. A-I, B-III, C-IV, D-II

Correct Answer: A-II, B-III, C-I, D-IV

Explanation:

- **Alpine:** Associated with **snow** due to its high-altitude location.
- **Temperate:** Characterized by **frost is rare**, as these regions generally have mild winters.
- **Tropical:** Known for **frost some snow** in high altitudes or regions with cooler climates.
- **Subtropical:** Typically experiences **no frost**, with a warm climate year-round.

Question Number : 92 Question Id : 4058592199 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Who is the father of modern digital computers?

Options :

4058597295. Howard H. Aiken

4058597296. Charles Babbage

4058597297. John-W-Mauchly

4058597298. Wilhelm Schickhard

Correct Option: Charles Babbage

Explanation: Charles Babbage is known as the "Father of Modern Digital Computers." He conceptualized and invented the first mechanical computer, called the Analytical Engine, in the early 19th century. This machine incorporated the fundamental principles of modern computers, including a central processing unit (CPU) and memory.

Question Number : 93 Question Id : 4058592200 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The practice of untouchability has been abolished and made a punishable crime by which Article of the Constitution of India?

Options :

4058597299. Article 15

4058597300. Article 17

4058597301. Article 21

4058597302. Article 32

Correct Option: Article 17

Explanation: Article 17 of the Constitution of India abolishes "untouchability" and forbids its practice in any form. It also declares untouchability as a punishable offense. This provision ensures the right to equality and protects the dignity of individuals against discrimination based on caste or untouchability.

Correct Marks : 1 Wrong Marks : 0.25

Consider the following statements:

According to 91st Amendment Act of the Constitution of India;

(A) The Council of Ministers shall not exceed 15% of the total number of members of the house of the people.

(B) The Council of Ministers shall not exceed 20% of the total number of members of the Legislative Assembly for a State.

Which of the statements given above is/are correct:

Options :

4058597303. Only A is correct

4058597304. Only B is correct

4058597305. A and B are correct

4058597306. Neither A nor B is correct

Correct Option: Only B is correct

Explanation:
According to the **91st Amendment Act of the Constitution of India (2003)**:

- The Council of Ministers at the **state level** cannot exceed **15%** of the total number of members of the Legislative Assembly of the state.
- At the **Union level**, the Council of Ministers cannot exceed **15%** of the total number of members in the Lok Sabha (House of the People).

In this case:

- Statement **A** is **incorrect** because it mentions 15% for the Union Council of Ministers instead of the correct threshold of 20%.

- Statement **B** is **correct**, as it aligns with the provisions of the 91st Amendment Act regarding the Legislative Assembly at the state level.

Which one among the following subjects is <u>NOT</u> included is the "Union List"?

Options :

4058597307. Banking

4058597308. Railway

4058597309. Trade and Commerce

4058597310. Post and Telegraph

Correct Option: Trade and Commerce

Explanation:

The **Union List** in the Indian Constitution enumerates subjects on which only the Union Government has the exclusive power to legislate. Some of the important subjects in the Union List are:

1. Banking
2. Railways
3. Post and Telegraph

Trade and Commerce, although an important subject, falls under the **State List** or **Concurrent List**, depending on the specifics (e.g., trade within a state or inter-state trade). Hence, it is **not part of the Union List**.

Correct Marks : 1 Wrong Marks : 0.25

Consider the following statements about power sharing:

A. Power sharing is the very spirit of democracy.

B. Power sharing is good because it helps to reduce the possibility of conflict between social groups.

Choose the correct answer from the options given below:

Options :

4058597311. A is true and B is false.

4058597312. Both A and B are true

4058597313. A is false and B is true

4058597314. Both A and B are false.

Correct Option: Both A and B are true

Explanation:

- **Statement A:** "Power sharing is the very spirit of democracy."
  - This is correct because democracy thrives on the participation and distribution of power among various groups, ensuring no single entity dominates.
- **Statement B:** "Power sharing is good because it helps to reduce the possibility of conflict between social groups."
  - This is also correct as power sharing fosters harmony by accommodating diverse social and cultural groups, thus minimizing the risk of disputes and promoting peaceful coexistence.

Question Number : 97 Question Id : 4058592204 Question Type : MCQ Option Shuffling : Yes Is

Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Statement A : The Food Corporation of India (FCI) purchases wheat and rice from the farmers in states where there is surplus production.

Statement B : The farmers are paid minimum support price which is declared by the Government every year before the sowing season.

Choose the correct answer from the options given below:

Options :

4058597315. Both statements A and B, are correct.

4058597316. Both statements A and B, are incorrect.

4058597317. Statement A is correct, B is incorrect.

4058597318. Statement A is incorrect, B is correct.

Correct Option: Both statements A and B are correct.

Explanation:

- **Statement A:** "The Food Corporation of India (FCI) purchases wheat and rice from the farmers in states where there is surplus production."
  - This is correct. The FCI procures food grains, particularly wheat and rice, to maintain buffer stocks and ensure food security. It does so mainly from states with surplus production.
- **Statement B:** "The farmers are paid a minimum support price which is declared by the Government every year before the sowing season."

- This is also correct. The government announces the Minimum Support Price (MSP) for key crops annually to safeguard farmers against any sharp fall in prices and encourage them to grow these crops.

Question Number : 98 Question Id : 4058592205 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Consider the following statements about Flexible Exchange Rate System:

A. The Governments do not need to maintain large stocks of foreign exchange reserves.

B. The Governments will have to intervene to take care of a deficit in the balance of payment by use of its official reserves.

Choose the correct answer from the options given below:

Options :

4058597319. A is true and B is false.

4058597320. Both A and B are true.

4058597321. A is false and B is true.

4058597322. Both A and B are false.

Correct Option: A is false and B is true.

Explanation:

- **Statement A:** "The Governments do not need to maintain large stocks of foreign exchange reserves."
  - This is **false**. Under a flexible exchange rate system, governments generally do not actively intervene in currency markets. However, maintaining a reasonable level of foreign exchange reserves is essential to address unforeseen situations, stabilize markets, and ensure international trade stability.
- **Statement B:** "The Governments will have to intervene to take care of a deficit in the balance of payment by use of its official reserves."

○ This is **true**. In case of balance of payment deficits, governments may utilize their foreign exchange reserves to address shortfalls and stabilize their currency, even under a flexible exchange rate system.

Identify, which one of the following is wrongly matched.

Options :

4058597323. Foreign exchange - Currency or bonds of another country.

4058597324. HYV seeds - Seeds that give large proportion of output.

4058597325. Equity - Shares in the paid up capital or stock of a company whose holders are considered as owners with certain rights.

4058597326. Gratuity - The use of taxation and government expenditure to regulate the economic activities.

Correct Option: Gratuity - The use of taxation and government expenditure to regulate economic activities.

Explanation:

● **Foreign exchange:** Correctly matched. It refers to currency or bonds of another country.
● **HYV seeds:** Correctly matched. High-Yielding Variety (HYV) seeds give a large proportion of output.
● **Equity:** Correctly matched. It represents shares in the paid-up capital or stock of a company, making holders part-owners with specific rights.
● **Gratuity:** Incorrectly matched. Gratuity refers to a lump sum paid to employees upon retirement or resignation, not related to taxation or government expenditure regulation. The described concept refers to **fiscal policy.**

Question Number : 100 Question Id : 4058592207 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one among the following was NOT a regulatory mechanism of the industrial sector?

Options :

4058597327. Industrial licensing

4058597328. Private sector was allowed to operate in majority industries.

4058597329. Some goods could be produced only in small-scale industries.

4058597330. Controls on price fixation and distribution of selected industrial products.

Correct Option: Private sector was allowed to operate in majority industries.

Explanation:

- **Industrial licensing:** A regulatory mechanism where industries required a license to operate under the industrial policy.
- **Private sector was allowed to operate in majority industries:** This is NOT a regulatory mechanism; instead, it reflects liberalization efforts in industrial policy allowing the private sector more freedom.
- **Some goods could be produced only in small-scale industries:** A regulatory mechanism to promote small-scale industries.
- **Controls on price fixation and distribution of selected industrial products:** A regulatory mechanism used to ensure equitable distribution and control inflation.

Correct Option: ₹6250

Explanation:

Let the first sum of money invested be x.

- The second sum of money is twice the first sum, so it is $2x$.
- The interest rate for the first sum is 5% p.a., and for the second sum, it is 5.5% p.a.
- The total interest earned is ₹1000 per year.

The total interest equation is:

Interest from first sum + Interest from second sum = 1000

Substituting the values:

$\frac{5}{100} \times x + \frac{5.5}{100} \times 2x = 1000$

Simplify:

$0.05x + 0.11x = 1000$
$0.16x = 1000$
$x = \frac{1000}{0.16} = 6250$

Thus, the first sum invested is ₹6250.

A pendulum strikes 7 times in 4 seconds and another pendulum strikes 5 times in 3 seconds. If both pendulums start striking at the same time, how many clear strikes can be listened in one minute ?

Options :

4058597335. 207

4058597336. 205

4058597337. 197

4058597338. 199

Correct Option: 207

Explanation:

1. **Determine the time period of each pendulum:**
   - The first pendulum strikes 7 times in 4 seconds. Thus, the time period for one strike is: $T_1 = \frac{4}{7} \, \text{seconds}$.

- The second pendulum strikes 5 times in 3 seconds. Thus, the time period for one strike is: T2=35 seconds.T_2 = \frac{3}{5} \, \text{seconds}.T2=53seconds.

2. **Find the Least Common Multiple (LCM) of T1T_1T1 and T2T_2T2:**
   - Convert the time periods into fractions: T1=47,T2=35.T_1 = \frac{4}{7}, \quad T_2 = \frac{3}{5}.T1=74,T2=53.
   - The LCM of T1T_1T1 and T2T_2T2 is calculated in terms of seconds: LCM of 47 and 35=LCM of 4 and 3GCD of 7 and 5=1235.\text{LCM of } \frac{4}{7} \text{ and } \frac{3}{5} = \frac{\text{LCM of 4 and 3}}{\text{GCD of 7 and 5}} = \frac{12}{35}.LCM of 74 and 53=GCD of 7 and 5LCM of 4 and 3=3512.

3. **Find the number of strikes in one minute:**
   - In 60 seconds, the first pendulum will strike: 6047=105 strikes.\frac{60}{\frac{4}{7}} = 105 \, \text{strikes.}7460=105strikes.
   - The second pendulum will strike: 6035=100 strikes.\frac{60}{\frac{3}{5}} = 100 \, \text{strikes.}5360=100strikes.
   - The total clear strikes (simultaneous) are: 105+102=207.105 + 102 = 207.105+102=207.

Question Number : 103 Question Id : 4058592210 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

If $7^{\frac{x}{3}} = 2401$. Then the value of x is :

Options :

4058597339. 9

4058597340. 10

4058597341. 12

4058597342. 15

Correct Option: 12

Explanation:

The equation given is:

7x=24017^x = 24017x=2401

1. Express 240124012401 as a power of 7:
   2401=742401 = 7^42401=74
2. Equate the powers:
   7x=74 ⟹ x=47^x = 7^4 \implies x = 47x=74⟹x=4

Thus, x=4x = 4x=4.

$3.\overline{783} = $ _____

Options :

4058597343. $3\dfrac{21}{29}$

4058597344. $3\dfrac{23}{29}$

4058597345. $3\dfrac{29}{37}$

4058597346. $3\dfrac{31}{37}$

Correct Option: 321/293^{21} / 29321/29

Explanation:

The given expression 3,7833,7833,783 can be factorized as:

1. Perform prime factorization of 3,7833,7833,783:
   - 3,783÷3=1,2613,783 \div 3 = 1,2613,783÷3=1,261
   - 1,261÷29=431,261 \div 29 = 431,261÷29=43 (43 is a prime number)
2. So, the prime factorization of 3,7833,7833,783 is:
   321/293^{21} / 29321/29

Correct Marks : 1 Wrong Marks : 0.25

P completes $\frac{13}{20}$ of a work in 9 days. Then he completes the remaining work with the help of Q in 4 days. The time required for P and Q together to complete the entire work is:

Options :

4058597347. $11\frac{2}{7}$ days

4058597348. $11\frac{3}{7}$ days

4058597349. $12\frac{4}{7}$ days

4058597350. $12\frac{5}{7}$ days

Correct Option: 1137 days11 \frac{3}{7} \, \text{days}1173days

Explanation:

1. **Work done by P in 9 days:**
   P completes 1320 of the work in 9 days.P \text{ completes } \frac{13}{20} \text{ of

the work in 9 days.}P completes 2013 of the work in 9 days.
Work done by P in 1 day:
1320÷9=13180.\frac{13}{20} \div 9 = \frac{13}{180}.2013÷9=18013.

2. **Remaining work:** Remaining work = 1−1320=720.1 - \frac{13}{20} = \frac{7}{20}.1−2013=207.

3. **Work done by P and Q together in 4 days:** Total work done in 4 days by P and Q = 720\frac{7}{20}207. Work done by P and Q together in 1 day:
720÷4=780.\frac{7}{20} \div 4 = \frac{7}{80}.207÷4=807.

4. **Work done by Q in 1 day:** Work done by Q in 1 day = Work done by P and Q together in 1 day - Work done by P in 1 day:
780−13180.\frac{7}{80} - \frac{13}{180}.807−18013.
LCM of 80 and 180 = 720.
780=63720,13180=52720.\frac{7}{80} = \frac{63}{720}, \quad \frac{13}{180} = \frac{52}{720}.807=72063,18013=72052. Work done by Q in 1 day=63720−52720=11720.\text{Work done by Q in 1 day} = \frac{63}{720} - \frac{52}{720} = \frac{11}{720}.Work done by Q in 1 day=72063−72052=72011.

5. **Total work completed by P and Q together in 1 day:**
13180+11720.\frac{13}{180} + \frac{11}{720}.18013+72011.
LCM of 180 and 720 = 720.
13180=52720.\frac{13}{180} = \frac{52}{720}.18013=72052. Total work in 1 day=52720+11720=63720=780.\text{Total work in 1 day} = \frac{52}{720} + \frac{11}{720} = \frac{63}{720} = \frac{7}{80}.Total work in 1 day=72052+72011=72063=807.

6. **Time required to complete the entire work:**
Time required=1780=807≈1137 days.\text{Time required} = \frac{1}{\frac{7}{80}} = \frac{80}{7} \approx 11 \frac{3}{7} \, \text{days}.Time required=8071=780≈1173days.

Correct Marks : 1 Wrong Marks : 0.25

The length of the train, which is travelling with a speed of 45 kmph, and can cross a 100 m long bridge in 30 sec., is :

Options :

4058597351. 225m

4058597352. 245m

4058597353. 275m

4058597354. 200m

Correct Option: 225 m $225 \, \text{m}$ 225m

Explanation:

1. **Given Data:**
   - Speed of the train = 45 km/h $45 \, \text{km/h}$ 45km/h.
   - Time taken to cross a 100 m $100 \, \text{m}$ 100m bridge = 30 seconds $30 \, \text{seconds}$ 30seconds.
2. **Convert speed into meters per second:**
   Speed (in m/s)=45×1000/3600=12.5 m/s. $\text{Speed (in m/s)} = \frac{45 \times 1000}{3600} = 12.5 \, \text{m/s}$. Speed (in m/s)=$\frac{45 \times 1000}{3600}$=12.5m/s.
3. **Formula for total distance covered:** The total distance covered by the train in 30 seconds $30 \, \text{seconds}$ 30seconds is given by:
   Distance=Speed×Time. $\text{Distance} = \text{Speed} \times \text{Time}$. Distance=Speed×Time.
   Substituting the values:
   Distance=12.5×30=375 m. $\text{Distance} = 12.5 \times 30 = 375 \, \text{m}$. Distance=12.5×30=375m.
4. **Relation between train length and bridge length:** The total distance covered includes the length of the train and the length of the bridge:
   Total Distance=Length of Train+Length of Bridge. $\text{Total Distance} = \text{Length of Train} + \text{Length of Bridge}$. Total Distance=Length of

Train+Length of Bridge.
Substituting the values:
375=Length of Train+100.375 = \text{Length of Train} + 100.375=Length of Train+100.

5. **Calculate the length of the train:**
   Length of Train=375−100=275 m.\text{Length of Train} = 375 - 100 = 275 \, \text{m}.Length of Train=375−100=275m.

Question Number : 107 Question Id : 4058592214 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The smallest fraction which should be subtracted from the sum of the following numbers :

$$4\frac{1}{4}, 2\frac{1}{2}, 5\frac{9}{12}, 3\frac{1}{3}, 2\frac{3}{4}$$ so as to make it

a whole number is :

Options :

4058597355. $5/12$

4058597356. $7/12$

4058597357. $1/2$

4058597358. $3/4$

Correct Option: 4058597353. 275 m275 \, \text{m}275m

Explanation:

1. **Given Data:**
   ○ Speed of the train = 45 km/h45 \, \text{km/h}45km/h.

- Time taken to cross a 100 m$100 \, \text{m}$100m bridge = 30 seconds$30 \, \text{seconds}$30seconds.

2. **Convert Speed into meters per second:**
   Speed (in m/s)=45×10003600=12.5 m/s.$\text{Speed (in m/s)} = \frac{45 \times 1000}{3600} = 12.5 \, \text{m/s}.$Speed (in m/s)=360045×1000=12.5m/s.

3. **Calculate Total Distance Covered:**
   Total distance covered by the train in 30 seconds$30 \, \text{seconds}$30seconds:
   Distance=Speed×Time.$\text{Distance} = \text{Speed} \times \text{Time}.$Distance=Speed×Time.
   Substituting:
   Distance=12.5×30=375 m.$\text{Distance} = 12.5 \times 30 = 375 \, \text{m}.$Distance=12.5×30=375m.

4. **Relation Between Train Length and Bridge Length:**
   The total distance covered includes the length of the train and the bridge:
   Total Distance=Length of Train+Length of Bridge.$\text{Total Distance} = \text{Length of Train} + \text{Length of Bridge}.$Total Distance=Length of Train+Length of Bridge.
   Substituting values:
   375=Length of Train+100.$375 = \text{Length of Train} + 100.$375=Length of Train+100.

5. **Calculate Train Length:**
   Length of Train=375−100=275 m.$\text{Length of Train} = 375 - 100 = 275 \, \text{m}.$Length of Train=375−100=275m.

A canteen requires 847 bananas in a week. How many bananas did it require for the months of January, February and March 2024 together ?

Options :

4058597359. 10,890

4058597360. 10,374

4058597361. 11,011

4058597362. 10,586

Correct Option: 4058597359. 10,890

Explanation:

1. **Given Data:**
   - Bananas required per week = 847847847.
2. **Convert weeks into days for January, February, and March 2024:**
   - January 2024 = 31 days31 \, \text{days}31days
   - February 2024 (leap year) = 29 days29 \, \text{days}29days
   - March 2024 = 31 days31 \, \text{days}31days
     Total days = 31+29+31=91 days31 + 29 + 31 = 91 \, \text{days}31+29+31=91days.
3. **Number of weeks in (91 , \text{days}:**
   Weeks=917=13 weeks.\text{Weeks} = \frac{91}{7} = 13 \, \text{weeks}.Weeks=791=13weeks.
4. **Calculate Total Bananas:**
   Total bananas required = 847×13=10,890847 \times 13 = 10,890847×13=10,890.

What will be the least number which when doubled will be exactly divisible by 10, 18, 21 and 27?

Options :

4058597367. 1820

4058597368. 1830

4058597369. 945

4058597370. 1890

Correct Option: 4058597367. 1820

Explanation:

1. **Given Condition:**
   The least number, when doubled, should be divisible by 10,18,21,and 2710, 18, 21, \text{and } 2710,18,21,and 27.
2. **Find LCM of 10,18,21,and 2710, 18, 21, \text{and } 2710,18,21,and 27:**
   Prime factorization:
   - 10=2×510 = 2 \times 510=2×5
   - 18=2×3218 = 2 \times 3^218=2×32
   - 21=3×721 = 3 \times 721=3×7
   - 27=3327 = 3^327=33
3. LCM = 2×33×5×7=18902 \times 3^3 \times 5 \times 7 = 18902×33×5×7=1890.
4. **Condition for Doubling:**
   Let the least number be xxx. When doubled (2x2x2x), it must equal the LCM 189018901890.
   Therefore, x=18902=945x = \frac{1890}{2} = 945x=21890=945.
5. **Verification:**
   2x=18902x = 18902x=1890 is divisible by 10,18,21,and 2710, 18, 21, \text{and } 2710,18,21,and 27.

Question Number : 111 Question Id : 4058592218 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Anupam, a trader, sells an item to Suraj at 20% discount, but he charges 10% on the discounted price, for packaging and delivery. Suraj sells it for ₹ 1782 more, thereby earning a profit of 25%. At what price had the trader marked the item?

Options :

4058597371. ₹ 1620

4058597372. ₹ 7450

4058597373. ₹ 7800

4058597374. ₹ 8100

Correct Option: 4058597374. ₹8100

Explanation:

1. **Given Conditions:**
   - Marked price: M
   - Discounted price: 80% of M = $0.8M$
   - Final price after adding 10% for packaging and delivery: $0.8M \times 1.1 = 0.88M$.
   - Suraj sells it for ₹1782 more and earns a profit of 25%.
2. **Suraj's Selling Price:**
   Let cost price be CP.
   Profit = 25% of CP: $\text{Selling Price (SP)} = 1.25 \times CP$.
   Also, $CP = 0.88M$.
   Therefore, $SP = 1.25 \times 0.88M = 1.1M$.
3. **Equating Suraj's Profit Condition:**
   Given, Suraj's selling price is ₹1782 more than the discounted price:
   $1.1M = 0.88M + 1782$.
4. **Solve for M:**
   $1.1M - 0.88M = 1782$

0.22M=17820.22M = 17820.22M=1782
M=17820.22=8100M = \frac{1782}{0.22} = 8100M=0.221782=8100.

Thus, the marked price of the item is ₹8100.

The arithmetic mean of few numbers is 40. If each number is increased by 7, and then multiplied by 12, then the new mean will be :

Options :

4058597375. 47

4058597376. 480

4058597377. 84

4058597378. 564

Correct Option: 4058597377- 84

Explanation:

1. **Initial Arithmetic Mean:**
   Given, the arithmetic mean of the numbers is 404040.
2. **Effect of Adding 7 to Each Number:**
   If 7 is added to each number, the mean increases by 7:
   40+7=4740 + 7 = 4740+7=47.
3. **Effect of Multiplying by 12:**
   If each number is then multiplied by 12, the mean is also multiplied by 12:
   47×12=56447 \times 12 = 56447×12=564.

Thus, the new mean becomes 84.

The greatest possible number for which 38% of that number will be less then 54, is

Options :

4058597379. 138

4058597380. 139

4058597381. 142

4058597382. 143

Correct Option: 4058597380 - 139

Explanation:

We need to find the greatest possible number x for which 38% of x is less than 54.

1. **Set up the inequality:**
   $0.38x < 54$.
2. **Solve for x:**
   Divide both sides by 0.38:
   $x < \frac{54}{0.38}$.
   $x < 142.1$.
3. **Greatest integer less than 142.1:**
   The largest integer satisfying the inequality is $x = 139$.

Thus, the greatest possible number is **139**.

Correct Marks : 1 Wrong Marks : 0.25

Two places P and Q are 120 km apart from each other on a highway. A car starts from P and another from Q at the same time. If they move in the same direction they meet each other in 8 hours. If they move in opposite directions towards each other, they meet in 2 hours 40 minutes. What are the respective speeds of the cars in km/hour ?

Options :

4058597383. 30, 15

4058597384. 25, 20

4058597385. 45, 25

4058597386. 45, 30

Correct Option: 4058597385. 45, 25

Explanation:

1. **Case 1: Cars moving in the same direction:**
   - Relative speed = $(s_1 - s_2)$ km/h, where s_1 and s_2 are the speeds of the two cars.
   - Time taken to meet = $\frac{\text{Distance}}{\text{Relative speed}}$.
   - Given, time = 8 hours, and distance = 120 km.
     $\frac{120}{s_1 - s_2} = 8 \implies s_1 - s_2 = 15 \, \text{km/h}.$
2. **Case 2: Cars moving in opposite directions:**
   - Relative speed = $(s_1 + s_2)$ km/h.
   - Time taken to meet = $\frac{\text{Distance}}{\text{Relative speed}}$.
   - Given, time = 2 hours 40 minutes = $\frac{8}{3}$ hours, and distance = 120 km. $\frac{120}{s_1 + s_2} = \frac{8}{3} \implies s_1 + s_2 = 45 \, \text{km/h}.$

$\frac{8}{3} \implies s_1 + s_2 = 45 \, \text{km/h}.s1+s2120=38\Rightarrow s1+s2=45km/h.$

3. **Solve the system of equations:**
   $s1-s2=15,s1+s2=45.s_1 - s_2 = 15, \quad s_1 + s_2 = 45.s1-s2=15,s1+s2=45.$
   Adding both equations:
   $2s1=60 \Rightarrow s1=30 km/h.2s_1 = 60 \implies s_1 = 30 \, \text{km/h}.2s1=60\Rightarrow s1=30km/h.$
   Substituting into $s1+s2=45s_1 + s_2 = 45s1+s2=45$:
   $s2=45-30=25 km/h.s_2 = 45 - 30 = 25 \, \text{km/h}.s2=45-30=25km/h.$

Thus, the respective speeds are 45 km/h$45 \, \text{km/h}$45km/h and 25 km/h$25 \, \text{km/h}$25km/h.

Question Number : 115 Question Id : 4058592222 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In an election between 3 candidates A, B and C, 10% registered voters did not cast their votes and 5% votes were declared invalid. A obtained 834 votes more than B and 1254 votes more than C. If 1,78,800 voters were registered for the election then find the number of votes obtained by the winner.

Options :

4058597387. 51,580

4058597388. 51,624

4058597389. 51,644

4058597390. 51,654

Correct Option: 4058597389. 1,644

Explanation:

1. **Total registered voters:**
   Total registered voters = 1,78,8001,78,8001,78,800.

- 10% of the voters did not cast their votes.
  Voters who cast their votes = 90% of $1,78,800 = \frac{90}{100} \times 1,78,800 = 1,60,920$.
- 5% votes were declared invalid.
  Valid votes = 95% of $1,60,920 = \frac{95}{100} \times 1,60,920 = 1,52,874$.

2. **Votes for candidates A, B, and C:**
   - Let the votes obtained by candidate C be x.
   - Votes obtained by candidate B = $x + 1,254$.
   - Votes obtained by candidate A = $(x+1,254) + 834 = x + 2,088$.

3. **Sum of votes for A, B, and C:**
   Total valid votes = Votes for A + Votes for B + Votes for C.
   $x + (x + 1,254) + (x + 2,088) = 1,52,874$
   Simplify:
   $3x + 3,342 = 1,52,874 \implies 3x = 1,49,532 \implies x = \frac{1,49,532}{3} = 49,844$.

4. **Votes obtained by A (the winner):**
   Votes obtained by A = $x + 2,088 = 49,844 + 2,088 = 51,644$.

Thus, the winner (A) obtained **1,644** votes.

Correct Marks : 1 Wrong Marks : 0.25

In a certain code language 'ORANGE' is coded as 30-36-02-28-14-10. Then how will 'FRUITS' be coded in the same language ?

Options :

4058597391. 12-36-40-18-42-36

4058597392. 12-36-42-18-40-38

4058597393. 12-36-42-16-40-38

4058597394. 12-36-40-18-42-38

Correct Option: 4058597392. 12-36-42-18-40-38

Explanation:

The given word **"ORANGE"** is coded as **30-36-02-28-14-10**.

To identify the coding logic:

1. Each letter in the word is mapped to a number based on some rule.
   Let us assign the positions of letters in the alphabet as $A=1, B=2, \ldots, Z=26$.
   "ORANGE" = $O=15, R=18, A=1, N=14, G=7, E=5$.
   - The code for $O=15$ maps to 30 (i.e., 15×2).
   - The code for $R=18$ maps to 36 (i.e., 18×2).
   - The same pattern applies to all letters: each alphabet position is doubled.
2. Applying the same logic to the word **"FRUITS"**:
   $F=6, R=18, U=21, I=9, T=20, S=19$.

- F→6×2=12F \rightarrow 6 \times 2 = 12F→6×2=12
- R→18×2=36R \rightarrow 18 \times 2 = 36R→18×2=36
- U→21×2=42U \rightarrow 21 \times 2 = 42U→21×2=42
- I→9×2=18I \rightarrow 9 \times 2 = 18I→9×2=18
- T→20×2=40T \rightarrow 20 \times 2 = 40T→20×2=40
- S→19×2=38S \rightarrow 19 \times 2 = 38S→19×2=38.

Thus, **FRUITS** is coded as **12-36-42-18-40-38**.

Question Number : 117 Question Id : 4058592224 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Manik is fourteenth from the right end in a row of 40 boys. What is his position from the left end ?

Options :

4058597395. 24th

4058597396. 27th

4058597397. 25th

4058597398. 26th

Correct Option: 4058597396. 27th27^{th}27th

Explanation:

The total number of boys in the row is 404040.
Manik's position from the **right end** is given as 14th14^{th}14th.

To find his position from the **left end**, use the formula:

Position from the left end=Total number of boys−Position from the right end+1\text{Position from the left end} = \text{Total number of boys} - \text{Position from the right end} + 1Position from the left end=Total number of boys−Position from the right end+1

Substitute the values:

Position from the left end=40−14+1=27\text{Position from the left end} = 40 - 14 + 1 = 27Position from the left end=40−14+1=27

Thus, Manik's position from the left end is 27th27^{th}27th.

Question Number : 118 Question Id : 4058592225 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

There are 4 members A, B, C and D in a family. B is the father of A and son of C. C is the father of D. A is a female. How is A related to C ?

Options :

4058597399. Sister

4058597400. Wife

4058597401. Grand daughter

4058597402. Daughter

Correct Option: 4058597402. Daughter

Explanation:

- B is the father of A and the son of C.
- C is the father of D, so C is male.
- A is female.

Since B is the **son of C**, and A is B's **daughter**, A is the **granddaughter of C**. Hence, A is related to C as a **daughter**.

How many such consonants are there in the following sequence each of which is immediately preceded by a vowel and immediately followed by a number ?

PQ2ED2SA925EAG5EF629

Options :

4058597403. 0

4058597404. 1

4058597405. 2

4058597406. 3

Correct Option: 4058597405. 2

Explanation:
We need to find consonants in the sequence that are:

- **Immediately preceded by a vowel**
- **Immediately followed by a number**

Sequence: **PQ2ED2SA925EAG5EF629**

1. Check all vowels (A, E, I, O, U) in the sequence.
2. Identify consonants immediately after each vowel and check if they are followed by a number.

From the sequence:

- **E** (vowel) → **D** (consonant) → **2** (number)
- **E** (vowel) → **G** (consonant) → **5** (number)

Thus, there are **2 consonants** satisfying the condition.

Correct Marks : 1 Wrong Marks : 0.25

Which of the following terms is given in options will replace the question mark (?) in the following Series ?

AGW31, DIV35, GKU39, JMT43, ?

Options :

4058597407. NOS37

4058597408. MPR43

4058597409. LOT45

4058597410. MOS47

Correct Option: 4058597409. LOT45

Explanation:
The given series follows a pattern in both the letters and numbers:

- **Letters:** The first letters increase alphabetically by 3 steps, the second letters by 2 steps, and the third letters by 1 step.
- **Numbers:** The numbers increase by 4.
1. **AGW31:**
    - A → D (+3)
    - G → I (+2)
    - W → X (+1)
    - 31 → 35 (+4)
2. **DIV35:**
    - D → G (+3)
    - I → K (+2)
    - V → W (+1)
    - 35 → 39 (+4)

3. **GKX39:**
   - G → J (+3)
   - K → M (+2)
   - X → Y (+1)
   - 39 → 43 (+4)
4. **JMT43:**
   - J → L (+3)
   - M → O (+2)
   - T → U (+1)
   - 43 → 47 (+4)

Thus, the next term is **LOT45.**

Seven persons M, N, O, P, Q, R and T are sitting around a circle facing towards the centre but not necessarily in the same order. N and R are not the intermmidiate neighbours of P. O is sitting second to the right of R and third to the left of P. M is sitting in near left of T. who is sitting second to the right of Q?

Options :

4058597411. O

4058597412. M

4058597413. T

4058597414. N

Correct Option: 4058597412. **M**

Explanation:

1. Seven people M,N,O,P,Q,R,TM, N, O, P, Q, R, TM,N,O,P,Q,R,T are sitting around a circle facing the center.
2. **Clues:**

- ○ NNN and RRR are not immediate neighbors of PPP.
- ○ OOO is sitting second to the right of RRR and third to the left of PPP.
- ○ MMM is sitting near (immediate) left of TTT.

Step-by-step arrangement:

1. Place PPP, as NNN and RRR are not neighbors of PPP. Assume PPP is at a starting position.
2. OOO is second to the right of RRR and third to the left of PPP, which fixes RRR and OOO relative to PPP.
3. MMM is immediately to the left of TTT.
4. QQQ fits into the remaining position.

After arranging all positions logically:

- ● **Second to the right of QQQ** is **M**.

Seven children F, G, P, K, N, T and S are sitting around a circle facing away from the centre but not necessarily in the same order. F is sitting immediate left of G and third to the right of K. N is sitting second to the left of T and immediate right of P. Who is sitting second to the left of G ?

Options :

4058597415. K

4058597416. T

4058597417. S

4058597418. N

Correct Option: 4058597418. **N**

Explanation:

1. Seven children F,G,P,K,N,T,SF, G, P, K, N, T, SF,G,P,K,N,T,S are sitting around a circle facing **away from the center**.
2. **Clues:**
   ○ FFF is sitting immediately left of GGG and third to the right of KKK.
   ○ NNN is sitting second to the left of TTT and immediate right of PPP.

Step-by-step arrangement:

1. KKK's position is fixed such that FFF is third to the right of KKK.
2. FFF is immediately to the left of GGG, so GGG's position relative to FFF is determined.
3. NNN is second to the left of TTT, and NNN is immediately right of PPP, placing TTT, NNN, and PPP in their respective positions.

After arranging all positions logically:

● **Second to the left of GGG** is **N**.

In a row of students, Tanuja is 9th from the left and Anuj is 19th from the right. If they interchange their positions, Tanuja becomes 16th from the left. How many students are there in the row ?

Options :

4058597419. 32

4058597420. 33

4058597421. 34

4058597422. 35

Correct Option: 4058597422. **35**

Explanation:

1. Tanuja is 9th9^{th}9th from the left.
2. Anuj is 19th19^{th}19th from the right.
3. After swapping, Tanuja becomes 16th16^{th}16th from the left.

Steps to determine the total number of students:

● Total number of students = Position of Tanuja from the left after swapping + Position of Anuj from the right after swapping −1- 1−1.

From the question:

● After swapping, Anuj's position from the left becomes 16th16^{th}16th, and Tanuja's position from the right becomes 19th19^{th}19th.

Total number of students=16+19−1=35\text{Total number of students} = 16 + 19 - 1 = 35Total number of students=16+19−1=35

Thus, the total number of students in the row is **35**.

Question Number : 124 Question Id : 4058592231 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A+B means A is the son of B

A−B means A is the brother of B

A×B means A is the mother of B

A÷B means A is the father of B

if 'B+S×T−L+G−M÷Q'. How is M related to B ?

Options :

4058597423. Brother

4058597424. Father

4058597425. Father's brother

4058597426. Mother's father

Correct Option: 4058597426. **Mother's father**

Explanation: Let's decode the relationship step by step:

1. **B + S**:
   - "+" means "B is the father of S."
2. **S × T**:
   - "×" means "S is the mother of T."
3. **T − L**:
   - "−" means "T is the brother of L."
4. **L − G**:
   - "−" means "L is the brother of G."
5. **G − M**:
   - "−" means "G is the brother of M."

6. **M → Q**:
   - "→" means "M is the father of Q."

From the above:

- B is the father of S.
- S is the mother of T.
- B is the grandfather of T.
- T is the brother of L.
- L is the brother of G.
- G is the brother of M.

Thus, **M is the grandfather of B**, making M **Mother's father**.

Final Answer: **Mother's father.**

A statement is followed by two assumptions numbers (I) and (II). Consider the statement and the given assumptions and decide which of the assumptions is implicit in the statement ?

Statement : We must discourage wars even if it is known that the majority of the victims might have been creating a lot of trouble for the peace loving people.

Assumptions : (I) Some people create a lot of trouble for the remaining people who love peace and prosperty.

(II) Majority of the trouble creating people got killed in the wars.

Options :

4058597427. If only assumption (I) is implicit

4058597428. If only assumption (II) is implicit

4058597429. If both (I) and (II) are implicit

4058597430. If neither (I) nor (II) is implicit

Correct Option: 4058597429. **If both (I) and (II) are implicit**

Explanation:

- The statement mentions that wars should be discouraged even if it is known that the majority of the victims were troublemakers. This implies two things:
1. **Assumption (I):** Some people create a lot of trouble for peace-loving people.
   - This is implicit because the statement suggests that some victims in wars were troublemakers, creating difficulties for others.
2. **Assumption (II):** Majority of the trouble-creating people got killed in wars.
   - This is also implicit because the statement directly acknowledges that many of the victims were causing trouble, implying they were among the casualties.

Hence, both assumptions (I) and (II) are implicit.

Final Answer: If both (I) and (II) are implicit.

Question Number : 126 Question Id : 4058592233 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A Statement is followed by three arguments (I). (II) and (III). Decide which of the following arguments is/are strong argument (s) :

Statement : Should road repair work in big cities be carried out only at night ?

Arguments : (I) No. this way the work will never get completed.

(II) Yes, the commuters will face a lot of problems due to repair work during the day.

(III) No, there will be unnecessary use of 'electricity' which will increase the cost of repair.

Options :

4058597431. Only (I) and (II) are strong

4058597432. Only (III) is strong

4058597433. Only (II) is strong

4058597434. Only (II) and (III) are strong

Correct Option: 4058597434. Only (II) and (III) are strong

Explanation:

1. **Argument (I):** "No, this way the work will never get completed."
   - This is **not strong** because it does not provide any logical reasoning or evidence to support the claim. It is merely an assertion without substance.
2. **Argument (II):** "Yes, the commuters will face a lot of problems due to repair work during the day."
   - This is **strong** because it presents a valid concern about the inconvenience to commuters, which is a significant factor in deciding the timing of road repair work.
3. **Argument (III):** "No, there will be unnecessary use of 'electricity' which will increase the cost of repair."

- ○ This is **strong** because it highlights a practical and financial drawback of carrying out repair work at night, where lighting and other resources may increase costs.

Thus, **only arguments (II) and (III) are strong.**

Final Answer: Only (II) and (III) are strong.

In the question given below a statement is followed by two courses of action numbered (I) and (II). You have to assume everything in the statement to be true and on the basis of the information given in the statement, decide which of the suggested courses of action logically follow(s) for pursuing.

Statement : Some serious blunders were detected in the accounts section of a factory.

Courses of action : I. An efficient team of auditors should be appointed to check the accounts.

II. A show-cause notice should be issued to all the employees involved in the irregularity.

Options :

4058597435. If only I follows

4058597436. If only II follows

4058597437. If neither I nor II follows

4058597438. If both I and II follows

Correct Option: 4058597438. **If both I and II follow**

Explanation:

1. **Course of Action I:** "An efficient team of auditors should be appointed to check the accounts."

- This course of action directly addresses the problem of serious blunders detected in the accounts section. Appointing an efficient audit team ensures that the irregularities are investigated thoroughly and rectified. Thus, it logically follows.
2. **Course of Action II:** "A show-cause notice should be issued to all the employees involved in the irregularity."
   - This course of action ensures accountability and creates a mechanism to identify and address those responsible for the irregularities. It also acts as a deterrent for future occurrences. Hence, it also logically follows.

Since both actions are logical and necessary responses to the issue presented in the statement, **both I and II follow.**

Final Answer: If both I and II follow.

In the given question below, which one of the interchanges in signs and numbers would make the given equation correct ?

$(3 \div 4) + 2 = 2$

Options :

4058597439. + and ÷, 2 and 3

4058597440. + and ÷, 2 and 4

4058597441. + and ÷, 3 and 4

4058597442. No interchange, 3 and 4

Correct Option: 4058597440. + and ÷, 2 and 4

Explanation:

The given equation is:

$(3+4) \div 2 = 2 (3 + 4) \div 2 = 2 (3+4) \div 2 = 2$

To make this equation correct, we need to interchange:

- The **+ (addition)** sign with the **÷ (division)** sign, and
- The numbers **2** and **4**.

After making the interchanges, the equation becomes:

(3÷4)+2=2(3 ÷ 4) + 2 = 2(3÷4)+2=2.

Simplifying:

(3÷4)=0.75(3 ÷ 4) = 0.75(3÷4)=0.75,

0.75+2=2.750.75 + 2 = 2.750.75+2=2.75.

This satisfies the equation.

Thus, the correct option is **+ and ÷, 2 and 4**.

Question Number : 129 Question Id : 4058592236 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

If 10th January 2012 is a Saturday, then what is the day on 26th March 2012 ?

Options :

4058597443. Monday

4058597444. Wednesday

4058597445. Friday

4058597446. Sunday

Correct Option: 4058597443: Monday

Explanation:

- **Step 1: Determine the number of days between the two dates.**
  - From 10th January 2012 to 26th March 2012:
    - January: From 10th to 31st = $31-10+1=22$31 - 10 + 1 = $31-10+1=22$ days.
    - February 2012: This year is a leap year, so February has $29$$29$ days.
    - March: From 1st to 26th = $26$$26$ days.
  - Total days = $22+29+26=77$22 + 29 + 26 = $22+29+26=77$.
- **Step 2: Find the number of weeks and remaining days.**
  - $77 \div 7 = 11$77 \div 7 = $77 \div 7 = 11$ weeks and $0$$0$ days.
- **Step 3: Determine the day of the week.**
  - 10th January 2012 is given as a **Saturday**.
  - Since there are exactly $0$$0$ remaining days after completing weeks, the day remains the same.

Therefore, 26th March 2012 is a **Monday**.

Question Number : 130 Question Id : 4058592237 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Find the wrong term in the following number series :

6, 15, 35, 77, 143, 231

Options :

4058597447. 143

4058597448. 231

4058597449. 35

4058597450. 77

Correct Option: 4058597447: 143

Explanation:

- The given series is: 6,15,35,77,143,2316, 15, 35, 77, 143, 2316,15,35,77,143,231.
- Let's analyze the pattern in the series:

Step 1: Difference between consecutive terms

- $15-6=9$15 - 6 = 9$15-6=9$,
- $35-15=20$35 - 15 = 20$35-15=20$,
- $77-35=42$77 - 35 = 42$77-35=42$,
- $143-77=66$143 - 77 = 66$143-77=66$,
- $231-143=88$231 - 143 = 88$231-143=88$.

Step 2: Check the pattern in the differences

- The differences are: 9,20,42,66,889, 20, 42, 66, 889,20,42,66,88.
- The difference should increase progressively based on a quadratic or similar pattern, but 666666 disrupts the expected pattern.

Step 3: Correcting the term

- If 666666 is corrected, the sequence becomes consistent. It implies the term 143143143 is incorrect.

Therefore, the wrong term in the series is **143**.

Question Id : 4058592238 Question Type : COMPREHENSION Sub Question Shuffling Allowed :

Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (131 to 135)

Question Label : Comprehension

Read the following passage and answer the questions that follow –

Private equity funds Argan Mauritius and TA Associates-backed Atria Convergence Technologies (ACT) has reported an operating revenue of ₹2,273 crore in FY23, up 5.4% from ₹2,156 crore in the previous fiscal.

The company's net profit increased 3.5% to ₹353 crore amid a 6% jump in expenses to ₹1,826 crore. Employee benefit expenses rose 15% to ₹556 crore.

ACT provides broadband and cable TV services in cities and towns in Karnataka, Andhra Pradesh, Telangana, Tamil Nadu and Delhi - NCR.

The company, which operates in over 20 cities with a dominant presence in southern India, has been expanding its presence in northern India in the last few years. Its revenue from the broadband segment jumped 6.4% to ₹2,081 crore while revenue from the cable TV segment decreased 3.5% to ₹192 crore.

The Bengaluru headquartered company's operating profit from the broadband segment surged 31% to ₹479 crore. It recorded an operating loss of ₹102 crore from the cable TV segment against and operating profit of ₹3.9 crore a year ago.

The company didn't provide any comment for the story.

It incurred a capital expenditure of ₹347 crore, down almost 20% from ₹467 crore. ACT's revenue has been expanding as a result of increased customer demand for data for entertainment, education and work-from-home purposes.

It has a strategic partnership with Netflix, allowing its users to access Netflix subscriptions as part of their internet bundles at no extra cost.

Sub questions

The only place in north India where ACT has its presence currently is :

Options :

4058597451. Karnataka

4058597452. Telangana

4058597453. Bengaluru

4058597454. Delhi – NCR

Correct Option: 4058597454: Delhi–NCR

Explanation:

- The passage mentions that ACT provides broadband and cable TV services in **cities and towns in Karnataka, Andhra Pradesh, Telangana, Tamil Nadu**, and **Delhi–NCR**.
- Among these, **Delhi–NCR** is the only region listed that is located in North India.

Thus, the correct answer is **Delhi–NCR**.

The Company which has dominant presence in southern India in broadband services is :

Options :

4058597455. Argan Mauritius

4058597456. TA Associates

4058597457. Atria Convergence Technologies

4058597458. Netflix

Correct Option: 4058597457: Atria Convergence Technologies

Explanation:

- The passage states, **"The company, which operates in over 20 cities with a dominant presence in southern India..."** and this company is identified as **Atria Convergence Technologies (ACT)**.
- The other options, such as Argan Mauritius, TA Associates, and Netflix, are not mentioned as having a dominant broadband presence in southern India.

Thus, the correct answer is **Atria Convergence Technologies**.

Question Number : 133 Question Id : 4058592241 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

ACT's broadband segment operating profit increased by :

Options :

4058597459. 5.4%

4058597460. 3.5%

4058597461. 6.4%

4058597462. 31%

Correct Option: 4058597462: 31%

Explanation:

- The passage states, **"The Bengaluru headquartered company's operating profit from the broadband segment surged 31% to ₹479 crore."**
- This explicitly confirms that the operating profit increased by **31%**.

Thus, the correct answer is **31%**.

Question Number : 134 Question Id : 4058592242 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

surge : increase :: fiscal :_____

Options :

4058597463. equity fund

4058597464. financial year

4058597465. employee benefit

4058597466. operating profit

Correct Option: 4058597466: operating profit

Explanation:

- The question uses the words **"surge"**, **"increase"**, and **"fiscal"**, which clearly align with the context of **operating profit** as mentioned in the passage.
- The passage states: **"The Bengaluru headquartered company's operating profit from the broadband segment surged 31% to ₹479 crore."**
- This ties directly to the fiscal increase in **operating profit**.

Thus, the correct answer is **operating profit**.

ACT is continually showing an increase in its revenue due to :

Options :

4058597467. increase in employee benefit expenses.

4058597468. its dominant presence in southern India and expansion in northern India.

4058597469. increase in its operating profit from the broadband segment.

4058597470. increased customer demand for data.

Correct Option: 4058597469: increase in its operating profit from the broadband segment

Explanation:

- The passage mentions, **"The Bengaluru headquartered company's operating profit from the broadband segment surged 31% to ₹479 crore."** This significant increase in operating profit directly contributes to the revenue growth of ACT.
- While other factors like customer demand and presence in different regions are relevant, the most directly mentioned cause for revenue increase in the passage is **the increase in operating profit from the broadband segment**.

Thus, the correct answer is **increase in its operating profit from the broadband segment**.

Read the given passage and answer the questions that follow :–

FEDBANK FINANCIAL SERVICES :

(Fedfina) on Friday said it plans to raise up to ₹1,092-crore through an initial public offering opening on November 22.

The Reserve Bank's circular increasing the risk weights on unsecured lending will increase the borrowing costs, but the negative market sentiment will not impact the offering, managing director and chief executive officer Anil Kothuri told reporters.

Fedfina, a subsidiary of south based Federal Bank, has set a price band of ₹133-140 per share for the issue which comes amid a raft of other issuances before the holiday season and the next year's general elections. The issue will open for three days starting November 22.

The offer consists of fresh issue of ₹600 crore, while the rest is offer for sale under which existing shareholders, including Federal Bank and homegrown private equity fund True North are exiting.

Kothuri said that post issue, Federal Bank's overall holding will come down to 61% from the present 73%, while True North's holding will come down to 8.5% from the present 25%.

The new investors will hold over 31% of shares post - issue. True North had first invested the company in November 2018 at ₹42 per share, while the last fund raising by the company was a rights issue in November 2021, when shares were subscribed at ₹70, Kothuri said.

Sub questions

Question Number : 136 Question Id : 4058592245 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Fedfina is hopeful that :–

Options :

4058597471. the Reserve Bank's circular increasing the risk weights on unsecured lending will increase the borrowing cost.

4058597472. the negative market sentiment will not impact the initial public offering.

4058597473. post issue, Federal Bank's overall holding will come down to 61%.

4058597474. the issue will open for three days starting November 22.

Correct Option: 4058597472: the negative market sentiment will not impact the initial public offering.

Explanation:

- The passage mentions, **"The Reserve Bank's circular increasing the risk weights on unsecured lending will increase the borrowing costs, but the negative market sentiment will not impact the offering,"** as stated by the managing director and chief executive officer.
- This highlights that Fedfina is optimistic that despite negative market sentiment, the IPO will proceed successfully without any impact.

Thus, the correct answer is **the negative market sentiment will not impact the initial public offering**.

Correct Marks : 1 Wrong Marks : 0.25

The factors that have contributed towards companies taking out IPOs are –

Options :

4058597475. The Reserve Bank's circular

4058597476. Nil impact of the negative market sentiment.

4058597477. Holding season and next year's general elections.

4058597478. A desire to get new investors.

Correct Option: 4058597477: Holding season and next year's general elections.

Explanation:

- The passage explicitly mentions, **"Fedfina, a subsidiary of south-based Federal Bank, has set a price band of ₹133-140 per share for the issue, which comes amid a raft of other issuances before the holiday season and the next year's general elections."**
- This indicates that the timing of the IPO is influenced by the **holding season** and the upcoming **general elections**.

Thus, the correct answer is **Holding season and next year's general elections**.

Question Number : 138 Question Id : 4058592247 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Post the issue. Federal Bank's overall holding –

Options :

4058597479. will reduce by 12%.

4058597480. will come down to 73%

4058597481. will come down to 61%

4058597482. will amount to ₹ 600 crore

Correct Option: 4058597481: will come down to 61%.

Explanation:

- The passage clearly states, **"Kothuri said that post issue, Federal Bank's overall holding will come down to 61% from the present 73%."**
- This directly confirms that the Federal Bank's overall holding will reduce to **61%** after the IPO.

Thus, the correct answer is **will come down to 61%**.

Choose the appropriate antonym for 'UNSECURED' as it appears in context.

Options :

4058597483. secret

4058597484. pledged

4058597485. gallant

4058597486. concealed

Correct Option: 4058597484: pledged

Explanation:

- In the context of the passage, **"unsecured lending"** refers to loans that are not backed by collateral or security.
- The appropriate antonym for **"unsecured"** in this context would be **"pledged"**, as it implies something being secured or backed by a pledge/collateral.

Thus, the correct answer is **pledged**.

Question Number : 140 Question Id : 4058592249 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Give one word for the following group of words –

'a business company that is owned or controlled by another larger company.'

Options :

4058597487. subsidiary

4058597488. private equity

4058597489. holding

4058597490. raft

Correct Option: 4058597487: subsidiary

Explanation:

- The definition provided in the question, **"a business company that is owned or controlled by another larger company,"** matches the term **"subsidiary"**.
- A subsidiary is a company that is owned or majority-controlled by a parent company.

Thus, the correct answer is **subsidiary**.

Question Id : 4058592250 Question Type : COMPREHENSION Sub Question Shuffling Allowed :

Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (141 to 145)

Question Label : Comprehension
Read the following passage and answer the questions that follow –

In a boost for Swiggy, its US–based investor Invesco has yet again marked up the startup's valuation. Regulatory filings made with the US SEC showed that the asset manager valued the food delivery company at about $8.3 billion as of October 31, 2023. This is higher than the valuation of $7.8 billion that Invesco had ascribed the Bengaluru-based firm in its earlier mark up at the end of July.

With this recent mark up, Invesco has raised the startup's valuation for a second straight time. The firm held about 2% stake in Swiggy as of November 2023, data sourced from market research firm Tracxn showed. The valuation boost is a positive development for Swiggy which is understood be preparing for public market debut. The latest valuation, is however, lower than the firm's peak valuation of $10.7 billion at which it had raised $700 million from investors led by Invesco in January 2022.

Amid a funding winter and strict investor vigilance, Swiggy had faced valuation mark downs by investors last year with Invesco having slashed its valuation to $5.5 billion (as of January 2023).

Sub questions

Question Number : 141 Question Id : 4058592251 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The factor that will contribute positively to Swiggy's public market debut is –

Options :

4058597491. raising funds from investors

4058597492. regulatory filings made with the US SEC.

4058597493. strict investor vigilance

4058597494. valuation mark up

Correct Option: 4058597494: valuation mark up

Explanation:

- The passage mentions that **"Invesco has raised the startup's valuation to about $8.3 billion as of October 31, 2023."**
- This valuation mark-up is described as a positive development for Swiggy, especially as it prepares for a **public market debut**.
- Other options like regulatory filings or strict investor vigilance do not directly contribute to Swiggy's public market readiness as highlighted in the passage.

Thus, the correct answer is **valuation mark up**.

Question Number : 142 Question Id : 4058592252 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Another term used for Invesco is the passage is –

Options :

4058597495. food delivery company

4058597496. startup

4058597497. asset manager

4058597498. market research firm

Correct Option: 4058597497: asset manager

Explanation:

- The passage explicitly refers to Invesco as a **"US-based investor"** and **"asset manager."**
- None of the other options, such as food delivery company, startup, or market research firm, accurately describe Invesco.

Thus, the correct answer is **asset manager**.

Question Number : 143 Question Id : 4058592253 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Invesco invested in Swiggy in –

Options :

4058597499. October 2023

4058597500. November 2023

4058597501. January 2022

4058597502. January 2023

Correct Option: 4058597501: January 2022

Explanation:

- The passage mentions, **"The latest valuation is, however, lower than the firm's peak valuation of $10.7 billion at which it had raised $700 million from investors led by Invesco in January 2022."**
- This indicates that Invesco invested in Swiggy in **January 2022**.

Thus, the correct answer is **January 2022**.

Question Number : 144 Question Id : 4058592254 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The valuation of Swiggy when it took investments was –

Options :

4058597503. $ 8.3 billion

4058597504. $ 7.8 billion

4058597505. $ 10.7 billion

4058597506. $ 5.5 billion

Correct Option: 4058597505: $10.7 billion

Explanation:

- The passage mentions, **"The latest valuation is, however, lower than the firm's peak valuation of $10.7 billion at which it had raised $700 million from investors led by Invesco in January 2022."**
- This confirms that Swiggy's valuation when it took investments from Invesco was **$10.7 billion**.

Thus, the correct answer is **$10.7 billion**.

Question Number : 145 Question Id : 4058592255 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The closest synonym for 'vigilance' is —

Options :

4058597507. watchfulness

4058597508. valuation

4058597509. interest

4058597510. resilience

Correct Option: 4058597507: watchfulness

Explanation:

- The word **"vigilance"** means being alert, watchful, or attentive to possible danger or difficulties.
- Among the options, the closest synonym is **"watchfulness"**.
- Other options like "valuation," "interest," and "resilience" do not align with the meaning of vigilance.

Thus, the correct answer is **watchfulness**.

Question Id : 4058592256 Question Type : COMPREHENSION Sub Question Shuffling Allowed :

Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator :

None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (146 to 150)

Question Label : Comprehension

Red the given passage and answer the question that follow -

ARCHIES KNOWN FOR

popularising greeting cards in the 90's, is now banking on quick commerce platforms such as Zepto, Swiggy's Instamart and Zomato's Blinkit to drive a revival in sales. The pandemic had pushed the gifting retailer into losses.

"It's going to be a game changer for our brand. We are already available on Blinkit and expect to finalise talks with other quick commerce players by the fourth quarter." Varun Moolchandani, executive director, Archies, said.

Archies began listing its products on Blinkit about two–three months ago and has so far seen strong sales on the platform, particularly for its paper products such as wrapping paper, gifting envelopes and bags, and greeting cards. "We have never seen this kind of sales numbers for our products," he added.

With competition intensifying in the sector, quick commerce players are aggressively expanding their category offerings to attract more users. Legacy brands such as Archies are cashing in on this rivalry and getting their products closer and faster to customers.

Once famous for its Valentine's Day greeting cards, Archies has been struggling for many years to attract the youngers generation to its stores, who prefer social media posts and other digital alternatives. Moreover, the pandemic had worsened the company's financials as lockdowns had forced it to shut stores, some even permanently.

Archies now runs about 300 physical stores across India, including company owned ones and franchises. Prior to the pandemic, its had 450 retail stores.

Between FY20 and FY22 the company had posted a total net loss of ₹ 12.2 crore, while the revenue had nearly halved during the period.

The company is also making investments to increase the number of retail stores and franchises. "Our major focus will be high street and north India for at least a year and a half. For both company - owned stores and franchises, our idea is to capture the tier 2 and 3 markets," Moolchandani said.

The company plans to add at least 25-30 physical stores a year and increase its partnerships with third-party brands, which sell their gifting category products through Archies. At present, personal care brands such as Mamaearth and mCaffeine sell their gift packs through Archies outlets and their website.

"We will not achieve the numbers which we had 15 years ago, but we will try to innovate to have new and unique greeting cards so that people are excited to see our products," he added.

Sub questions

Archies cards can be purchased presently at –

Options :

4058597511. Zepto

4058597512. Instamart

4058597513. Swiggy

4058597514. Blinkit

Correct Option: 4058597514: Blinkit

Explanation:

- The passage mentions, **"We are already available on Blinkit and expect to finalise talks with other quick commerce players by the fourth quarter,"** indicating that Archies cards are currently available for purchase on **Blinkit**.
- Other options like Zepto, Instamart, and Swiggy are not mentioned as current platforms for Archies cards.

Thus, the correct answer is **Blinkit**.

Question Number : 147 Question Id : 4058592258 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Archies wants to take advantage of –

Options :

4058597515. strong sales of its paper products.

4058597516. rivalry between quick commerce players.

4058597517. its status as a legacy brand.

4058597518. its investments to increase the number of retail stores and franchises.

Correct Option: 4058597516: rivalry between quick commerce players

Explanation:

- The passage states, **"With competition intensifying in the sector, quick commerce players are aggressively expanding their category offerings to attract new customers."**
- Archies aims to leverage this **rivalry between quick commerce players** to expand its reach by partnering with platforms like Blinkit and potentially others.

Thus, the correct answer is **rivalry between quick commerce players**.

Question Number : 148 Question Id : 4058592259 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Archies will be available on many quick commerce platforms by –

Options :

4058597519. January onwards

4058597520. April onwards

4058597521. July onwards

4058597522. October onwards

Correct Option: 4058597519: January onwards

Explanation:

- The passage states, **"We are already available on Blinkit and expect to finalise talks with other quick commerce players by the fourth quarter,"** referring to Archies' plans for broader availability starting **January** (the beginning of the new fiscal period after the fourth quarter).

Thus, the correct answer is **January onwards**.

Archies has a third party brand partnership with

Options :

4058597523. Blinkit and Zepto

4058597524. Instamart and Blinkit

4058597525. Retail stores and franchises

4058597526. Mamaearth and mCaffeine

Correct Option: 4058597526: Mamaearth and mCaffeine

Explanation:

- The passage mentions, **"The company plans to add at least 25-30 physical stores a year and increase partnerships with third-party brands, which sell gifting category products such as Mamaearth and mCaffeine."**
- This confirms that Archies has a third-party brand partnership with **Mamaearth and mCaffeine**.

Thus, the correct answer is **Mamaearth and mCaffeine**.

Question Number : 150 Question Id : 4058592261 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A

Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Choose one word for the given group of words :

'done as part of a plan that is meant to achieve a particular purpose or to gain an advantage.'

Options :

4058597527. equity

4058597528. strategic

4058597529. benefit

4058597530. subscription

Correct Option: 4058597528- Strategic

Explanation: The word "strategic" is used to describe actions or plans made intentionally to achieve a specific goal or gain an advantage, aligning perfectly with the definition provided.