

Ssc Chsl Tier I Previous Year Question Paper Overview

Here, you can solve all the questions asked in Ssc Chsl Tier I Previous Year Question Paper on 2023-10-27 in the Morning Shift exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Chsl Tier I exam. There are 100 questions in the exam and 60 minutes are provided for the Ssc Chsl Tier I exam. The Cutoff of the exam was 141 marks hence you should try to score at least 151 marks.

Ssc Chsl Tier I Previous Year Question Paper : Questions and Solutions

Question 1 :

Select the correctly spelt word.

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. Business
2. Buisnesc
3. Buisness
4. Busines

Solution :

Correct answer is option 1 I.e. Business

- The correct spelling of the given word is **business**.
- "**Business**" means buying and selling as a way of earning money; commerce

Question 2 :

Select the most appropriate synonym of the word 'Keen' from the given sentence. I am eager and happy to visit the beautiful city of Darjeeling next month with my family.

Difficulty : Moderate

Average Time : 44 Seconds

Options :



Beautiful

2. Visit

3. Eager

4. Happy

Solution :

Correct answer is option 3 i.e. Eager

- "**Keen**" refers to having a strong or enthusiastic interest in something, showing eagerness or readiness.
- Marked option "**Eager**" means having a keen interest or enthusiastic readiness to do something.
- So, the most appropriate synonym for "Keen" in the given sentence is "Eager."
- The other options mean:
 - "**Beautiful**" describes something aesthetically pleasing, attractive, or possessing qualities that delight the senses.
 - "**Visit**" refers to going to a place for a specific purpose, such as for enjoyment, exploration, or meeting with someone.
 - "**Happy**" describes a state of joy, contentment, or satisfaction.

Question 3 :

Select the most appropriate ANTONYM for 'scarcity' in the given sentence. In spite of having ice glaciers across the globe, people don't have excess of fresh drinking water.

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. Excess

2. Water

3. Glaciers

4. Fresh

Solution :

Correct answer is option 1 i.e. Excess

- "**Scarcity**" refers to the state of being in short supply or insufficient quantity, resulting in a lack or shortage.
- Marked option "**Excess**" is the opposite of scarcity and refers to an abundance or surplus of something beyond what is needed or usual.
- So, the most appropriate antonym for "**scarcity**" in the given sentence is "**excess**", as it contrasts the insufficient

availability of fresh drinking water with the idea of having an abundance or surplus.

- The other options mean:
 - "Water" is a clear, colourless, odourless, and tasteless liquid essential for life.
 - "Glaciers" are large masses of ice formed by the accumulation, compaction, and recrystallization of snow.
 - "Fresh" in this context refers to water that is suitable for drinking, not salty or contaminated.

Question 4 :

Select the option that expresses the given sentence in passive voice. A sudden noise frightened the horse.

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. The horse has been frightened by a sudden noise.
2. The horse was frightened by a sudden noise.
3. The horse had frightened by a sudden noise.
4. The horse got frightened by a sudden noise.

Solution :

Correct answer is option 2 i.e. The horse was frightened by a sudden noise.

- In the **active** voice, **the subject performs the action on the object**. In this case, the sudden noise is causing the horse to be frightened.
- **Active Voice Structure:** Subject + Verb + Object
- In the **passive** voice, the focus shifts from the doer of the action (**sudden noise**) to the recipient of the action (**the horse**).
- The agent (**sudden noise**) that performs the action is introduced with the preposition "by."
- **Passive Voice Structure:** Object + was + V3 + By + Agent
- Hence, correct statement is ***the horse was frightened by a sudden noise.***

Question 5 :

Select the most appropriate option that can substitute the underlined segment in the given sentence. In today's world, technology must be used for feed the changing forces in society.

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. must had been used to feed
2. must have been used to feed

must used to feed

4. must be used to feed

Solution :

Correct answer is option 4 I.e. must be used to feed.

- The original sentence contains a grammatical error in the use of the preposition "for" after "used."
- The correct construction in this context is "used to" when indicating the purpose or function of something.
- The verb "used" is typically followed by "to" to express the intended action or purpose.
- "For" is often used to express the beneficiary or recipient of an action.
- **Corrected Sentence:** In today's world, technology must be used to feed the changing forces in society.
- The corrected sentence uses "to" after "used" to indicate the purpose or function of technology. This construction is more grammatically accurate.

Question 6 :

Select the option with the correct spellings to replace the underlined words in the given sentence. The enchanteng scenery of the beautiful lake was mesmerising.

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. enchanting; scenery
2. encanting; scenery
3. enchenting; seenary
4. enchantine; senery

Solution :

Correct answer is option 1 I.e. enchanting; scenery

- "Enchanting" is the correct spelling, replacing "enchanting."
- "Scenery" is the correct spelling, replacing "scenary."
- **Enchanting:** Having the quality of charming or fascinating; capturing one's attention in a delightful way.
- **Scenery:** The natural features or landscape of a place, especially considered in terms of their visual appeal.
- **Corrected sentence:** The enchanting scenery of the beautiful lake was mesmerising.
- The corrected sentence uses the appropriate spellings "enchanting" and "scenery" to accurately describe the captivating and visually appealing landscape of the beautiful lake.

Question 7 :

Select the option that expresses the given sentence in active voice. The matches are being shown live on Sports TV.



Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. Sports TV is showing the matches live.
2. Sports TV may be showing the matches live.
3. Sports TV will be showing the matches live.
4. Sports TV can be showing the matches live.

Solution :

Correct answer is **option 1** i.e. **Sports TV is showing the matches live.**

- In the passive voice, the emphasis is on the matches being the recipient of the action, and Sports TV is mentioned as the platform where the matches are being shown.
- **Passive Voice Structure:** Subject + Helping Verb + Main Verb + Adverb + Prepositional Phrase
- In the active voice, the focus shifts to the doer of the action, which is Sports TV. Sports TV is actively showing the matches live.
- **Active Voice Structure:** Subject + Main Verb + Object+ Adverb

Question 8 :

Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence. A. we need to understand where we are and, B. that will require significant investment C. where we are headed, and D. in our data and information infrastructure E. to stay ahead of these crises

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. EACBD
2. CEDAB
3. BACDE
4. BAEDC

Solution :

Correct answer is **option 1** i.e. **EACBD**

- **Part E:** The sentence **begins with the purpose or objective**, indicating the need to stay ahead of crises. This **sets the context for the rest of the sentence.**
- **Part A:** Next, the sentence **introduces the idea** that, in order to achieve the goal stated in the first part (staying

ahead of crises), it is necessary to understand the current situation.

- **Part C:** Following the need to understand the current situation, the sentence **introduces the concept** of where we are headed. This adds to the context and emphasizes the importance of both current status and future direction.
- **Part B:** The sentence then specifies that **achieving the understanding of the current situation** and future direction will require a significant investment.
- **Part D:** Finally, the sentence **concludes** by specifying the area where the investment is required, which is in the **data and information infrastructure**.

Question 9 :

Select the most appropriate homophones to fill in the blanks. Kindly accept my _____ on your new haircut. It _____ your personality.

Difficulty : Moderate

Average Time : 83 Seconds

Options :

1. compliment; complaints
2. compliment; complements
3. compliment; compliments
4. complement; complements

Solution :

Correct answer is **option 2** i.e. **compliment; complements**

- **Homophones** are words that have the same pronunciation but different meanings and spellings.
- A "**compliment**" is a polite expression of praise, admiration, or approval.
- It is a positive remark or statement about someone's appearance, actions, or qualities.
- "**Kindly accept my compliment on your new haircut.**" This conveys that the speaker is offering a positive and approving remark about the person's haircut.
- "**Complements**" means that the new haircut enhances or goes well with the person's personality.
- It suggests that the haircut completes or adds to the overall appeal of the individual.
- "**It complements your personality.**" This indicates that the new haircut enhances or suits the person's personality.
- **Complete sentence:** *Kindly accept my compliment on your new haircut. It complements your personality.*

Question 10 :

Parts of a sentence are given below in jumbled order. Select the option that arranges the parts in the correct order to form a meaningful sentence. A. embarrassment and difficulty for them and himself B. the great gods Odin and Thor, helping them with C. his clever plans but sometimes causing D. Loki was represented as the companion of

Difficulty : Moderate

Average Time : 89 Seconds



Options :

1. D,B,C,A
2. C,D,A,B
3. B,D,C,A
4. A,B,D,C

Solution :

Correct answer is **option 1** i.e. **D,B,C,A**

- **D (Loki was represented as the companion of)**: The sentence begins by introducing Loki and establishing his role as the companion of the great gods Odin and Thor. This sets the context for Loki's interactions.
- **B (the great gods Odin and Thor, helping them with)**: Following the introduction of Loki, the sentence explains that Loki assisted the great gods, Odin and Thor, indicating a positive aspect of his role.
- **C (his clever plans but sometimes causing)**: The sentence then introduces a contrast by stating that Loki's clever plans were helpful but sometimes caused difficulties. This adds complexity to Loki's character.
- **A (embarrassment and difficulty for them and himself)**: Finally, the sentence concludes by specifying the outcomes of Loki's actions, which include causing embarrassment and difficulty for both the gods and himself.

Question 11 :

Select the most appropriate ANTONYM of the word in brackets to fill in the blank. Since she had never travelled abroad, she was both _____ (CALM) and nervous for her upcoming trip.

Difficulty : Moderate

Average Time : 83 Seconds

Options :

1. Hyped
2. Apathetic
3. Excited
4. Hopeful

Solution :

Correct answer is **option 3** i.e. **Excited**

- **Calm** means being in a state of peace or tranquillity.
- Marked option **Excited** means being in a state of enthusiasm or heightened emotion.
- Other options mean:
 - **Hyped** means being in a state of extreme excitement or enthusiasm.



Apathetic means having little or no interest, emotion, or concern.

- **Hopeful** means feeling optimistic about a positive outcome or future.

Question 12 :

Select the most appropriate synonym for the underlined word in the given sentence. The guest was heckled by the spectators.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Calmed
2. Aided
3. Taunted
4. Helped

Solution :

Correct answer is **option 3** i.e. **Taunted**

- **Heckled** means being subjected to disruptive comments or jeers, often in a public setting.
- **Taunted** means provoking or teasing someone through mocking or insulting remarks.
- The other options mean:
 - **Calmed** means to soothe or bring a sense of tranquillity.
 - **Aided** means to provide assistance or support.
 - **Helped** means to offer assistance or contribute positively.

Question 13 :

Select the option that can be used as a one-word substitute for the given group of words. The vehicle which carries dead bodies

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Coffin
2. Hearse
3. Ambulance
4. Corpse

Solution :



Correct answer is **option 2** i.e. **Hearse**

- **Hearse**- a vehicle used to carry a body in a coffin to a funeral.
- The other options mean:
 - **Coffin**- a long box in which the body of a dead person is buried or burned.
 - **Tomb**- a large stone structure or underground room where someone, especially an important person, is buried.
 - **Grave**- a place in the ground where a dead person is buried.

Question 14 :

Select the most appropriate option that can substitute the underlined words in the given sentence. The principal posted all the staff rules in black and white.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. On chart
2. On board
3. In writing
4. In coloured print

Solution :

Correct answer is **option 3** i.e. **in writing**.

- The phrase "**in black and white**" is an idiomatic expression that means something is put in writing, typically in a clear and straightforward manner.
- "**In writing**" is a direct and precise substitute for "in black and white" in this context.
- It implies that the staff rules were officially documented, possibly on paper or in a written format.
- **Substituted sentence:** *The principal posted all the staff rules in writing.*

Question 15 :

Select the most appropriate ANTONYM of the given word. Support

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Oppose
2. Stay



Bear

4. Stand

Solution :

Correct answer is **option 1** i.e. **oppose**

- **Support** means to endorse, assist, or uphold.
- Marked option **Oppose** means to resist, object to, or be against.
- The other options mean:
 - **Stay** means to remain in a particular place or condition.
 - **Bear** means to endure, carry, or support.
 - **Stand** means to be in an upright position or to take a firm position on an issue.

Question 16 :

Select the most appropriate meaning of the underlined idiom. The new electric car costs an arm and a leg.

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Needs physical strength to drive
2. Is very expensive
3. Is very cheap
4. Has no gears

Solution :

Correct answer is **option 2** i.e. **is very expensive**

- **Costs an arm and a leg** means **something is very expensive**.
 - Example: I'd really like to have a new farm house, but it may cost me an arm and a leg.
- Here, the given statement suggests the new electric car is very expensive.

Question 17 :

Select the most appropriate option that can substitute the underlined segment in the given sentence. She can draw very well and just as creative.

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. As creative



As creatively

3. Creative than

4. Creative

Solution :

Correct answer is **option 2** i.e. **as creatively**

- The error in the original sentence lies in the use of the **adjective "creative"** instead of the **adverb "creatively"** when comparing her drawing skills.
- In English, when making **comparisons** with **adverbs**, the **adverbial** form is needed to maintain grammatical accuracy and parallel structure.
- **Correct Sentence:** *She can draw very well and just as creatively.*
- The original segment is corrected by substituting "**creative**" with "**creatively**" to maintain parallelism in the sentence.
- The corrected sentence **ensures parallel construction** by using "**as creatively**" to match the structure of "**very well.**"

Question 18 :

Select the most appropriate idiom for the following statement. It's better to get less than what you want than get nothing.

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. Half a loaf is better than none.
2. Waste not, want not.
3. Where there is smoke, there is fire.
4. A storm in a teacup

Solution :

Correct answer is **option 1** i.e. **Half a loaf is better than none.**

- The idiom "**Half a loaf is better than none**" implies that it is better to have or receive something, even if it is not everything you desire or expect than to have nothing at all.
- It suggests that obtaining a partial or limited benefit is preferable to receiving nothing or experiencing a complete loss.
- The meaning of other three idioms:
 - **Waste not, want not:** Avoid wasting resources to prevent future shortages or needs.
 - **Where there is smoke, there is fire:** If there are signs or indications of a problem, there is likely a real issue.

A storm in a teacup: A situation where there is a lot of fuss or excitement over a trivial matter.

Question 19 :

Select the option that expresses the following sentence in superlative degree of comparison. It looks like our bad fears are coming true.

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. No change required
2. The worse fears are coming back it seems so.
3. It looks like our worst fears are coming true.
4. The fears with bad thoughts come back.

Solution :

Correct answer is **option 3** i.e. **It looks like our worst fears are coming true.**

- The original sentence expresses concern about fears becoming reality, using the term "**bad**" to describe the nature of these fears.
- The transformation into the **superlative degree** involves replacing "**bad**" with "**worst**."
- This is because the superlative degree is used to indicate the highest degree or extent of quality.
- The use of "**worst**" intensifies the level of fear, suggesting that these fears are the most severe or distressing among the possibilities.

Question 20 :

Parts of a sentence are given below in jumbled order. Select the option that arranges the parts in the correct order to form a meaningful sentence. A.Written in unadorned Sanskrit prose B. One of the world's earliest books C. Devoted to statecraft, D.The Arthashastra is

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. D,B,C,A
2. C,D,A,B
3. B,C,A,D
4. D,A,B,C

**Solution :**

Correct answer is **option 1** i.e. **D,B,C,A**

- **Part D:** The sentence begins by **introducing the subject**, "The Arthashastra," establishing what it is.
- **Part B:** Following the introduction, the sentence **provides additional information** about The Arthashastra, specifying that it is one of the earliest books in the world.
- **Part C:** Next, the sentence **further describes the content** of The Arthashastra, stating that it is devoted to statecraft.
- **Part A:** The **final part** of the sentence provides details about the style in which The Arthashastra is written, mentioning that it is in unadorned Sanskrit prose.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. A couple of minutes later, a woman comes running towards the desk. As soon as she sees the little girl, she shouts and (1)_____ up to her. She lifts the girl into her arms and holds her very tight. Then she separates herself from her daughter and looks at her (2)_____ while she says, "I am here, Andrea. Everything is okay. I love you, honey." Then she turns and (3)_____ the man. "Thank you so much, sir," she says. "We got separated in the crowd earlier. My daughter is deaf, so I could not make an (4)_____ over the speakers for her. I was looking for her everywhere. I was so worried!". Now the man understands why the little girl did not look at him until he (5)_____ her shoulder.

Question 21 :

Select the most appropriate option to fill in blank number 1.

Difficulty : Moderate

Average Time : 107 Seconds

Options :

1. Chase
2. Runs
3. Stares
4. Blinks

Solution :

Correct answer is **option 2** i.e. **runs**.

- The word "**runs**" is appropriate because it describes the woman's quick movement toward the desk upon seeing her daughter. When someone "**runs**," it implies a sense of urgency or haste in their actions, which fits the situation of a mother seeing her separated daughter and reacting swiftly to reach her.

**Comprehension :**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. A couple of minutes later, a woman comes running towards the desk. As soon as she sees the little girl, she shouts and (1)_____ up to her. She lifts the girl into her arms and holds her very tight. Then she separates herself from her daughter and looks at her (2)_____ while she says, "I am here, Andrea. Everything is okay. I love you, honey." Then she turns and (3)_____ the man. "Thank you so much, sir," she says. "We got separated in the crowd earlier. My daughter is deaf, so I could not make an (4)_____ over the speakers for her. I was looking for her everywhere. I was so worried!". Now the man understands why the little girl did not look at him until he (5)_____ her shoulder.

Question 22 :

Select the most appropriate option to fill in blank number 2.

Difficulty : Moderate

Average Time : 88 Seconds

Options :

1. Ears
2. Nails
3. Face
4. Skin

Solution :

Correct answer is **option 3 i.e face.**

- Certainly! In the sentence, "Then she separates herself from her daughter and looks at her **face** while she says, 'I am here, Andrea. Everything is okay. I love you, honey,' " the word "**face**" indicates where the mother's gaze is directed.
- When someone looks at another person's face, especially in a moment of reassurance or emotional connection, it signifies a direct and intimate interaction. In this case, the mother looks directly at her daughter's face while speaking to her, emphasizing their closeness and emotional bond. It also suggests that the mother seeks cues from her daughter's facial expressions to gauge her emotional state and reassure her effectively.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. A couple of minutes later, a woman comes running towards the desk. As soon as she sees the little girl, she shouts and (1)_____ up to her. She lifts the girl into her arms and holds her very tight. Then she separates herself from her daughter and looks at her (2)_____ while she says, "I am here, Andrea. Everything is okay. I love you, honey." Then she turns and (3)_____ the man. "Thank you so much, sir," she says. "We got separated in the crowd



earlier. My daughter is deaf, so I could not make an (4)_____ over the speakers for her. I was looking for her everywhere. I was so worried!". Now the man understands why the little girl did not look at him until he (5)_____ her shoulder.

Question 23 :

Select the most appropriate option to fill in blank number 3.

Difficulty : Moderate

Average Time : 106 Seconds

Options :

1. Opts
2. Discreet
3. Greets
4. Rejects

Solution :

Correct answer is **option 3 i.e. greets.**

- Certainly! In the context provided, "**greets**" implies that the woman acknowledges the man in some way after retrieving her daughter. This acknowledgment could take the form of a verbal greeting (e.g., "Thank you so much, sir"), a nod, or even a smile.
- Using "**greets**" suggests that the woman interacts with the man politely and appreciatively, expressing her gratitude for his assistance in reuniting her with her daughter.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. A couple of minutes later, a woman comes running towards the desk. As soon as she sees the little girl, she shouts and (1)_____ up to her. She lifts the girl into her arms and holds her very tight. Then she separates herself from her daughter and looks at her (2)_____ while she says, "I am here, Andrea. Everything is okay. I love you, honey." Then she turns and (3)_____ the man. "Thank you so much, sir," she says. "We got separated in the crowd earlier. My daughter is deaf, so I could not make an (4)_____ over the speakers for her. I was looking for her everywhere. I was so worried!". Now the man understands why the little girl did not look at him until he (5)_____ her shoulder.

Question 24 :

Select the most appropriate option to fill in blank number 4.

Difficulty : Moderate

Average Time : 93 Seconds

Options :



Claim

2. Announcement

3. Notification

4. Assertion

Solution :

Correct answer is **option 2 i.e. announcement.**

- The term "**announcement**" is suitable in this context because it refers to a public declaration or message made over speakers, usually to convey important information to a group of people. In this scenario, the woman explains to the man that her daughter is deaf, so she couldn't make an announcement over the speakers to locate her.
- Therefore, "**announcement**" accurately describes the type of communication method the woman couldn't utilize due to her daughter's deafness.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. A couple of minutes later, a woman comes running towards the desk. As soon as she sees the little girl, she shouts and (1)_____ up to her. She lifts the girl into her arms and holds her very tight. Then she separates herself from her daughter and looks at her (2)_____ while she says, "I am here, Andrea. Everything is okay. I love you, honey." Then she turns and (3)_____ the man. "Thank you so much, sir," she says. "We got separated in the crowd earlier. My daughter is deaf, so I could not make an (4)_____ over the speakers for her. I was looking for her everywhere. I was so worried!". Now the man understands why the little girl did not look at him until he (5)_____ her shoulder.

Question 25 :

Select the most appropriate option to fill in blank number 5.

Difficulty : Moderate

Average Time : 96 Seconds

Options :

1. Felt
2. Touched
3. Contacted
4. Cracked

Solution :

Correct answer is **option 2 i.e. touched.**



The word "**touched**" in this context suggests that the man reached out and physically made contact with the little girl's shoulder. This physical touch served as a cue or prompt for the girl to turn and acknowledge him. Since the girl is deaf, she may not have been aware of the man's presence until he physically touched her.

- Therefore, "**touched**" implies that the physical contact initiated the girl's response, highlighting the importance of tactile communication, especially in situations involving individuals with hearing impairments.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. A couple of minutes later, a woman comes running towards the desk. As soon as she sees the little girl, she shouts and (1)_____ up to her. She lifts the girl into her arms and holds her very tight. Then she separates herself from her daughter and looks at her (2)_____ while she says, "I am here, Andrea. Everything is okay. I love you, honey." Then she turns and (3)_____ the man. "Thank you so much, sir," she says. "We got separated in the crowd earlier. My daughter is deaf, so I could not make an (4)_____ over the speakers for her. I was looking for her everywhere. I was so worried!". Now the man understands why the little girl did not look at him until he (5)_____ her shoulder.

Question 26 :

GAMU is related to JDPX in a certain way based on the English alphabetical order. In the same way, LHTC is related to OKWF. To which of the following is BRLQ related following the same logic?

Difficulty : Moderate**Average Time : 104 Seconds****Options :**

1. EUOT
2. DTNS
3. ETOS
4. CTOU

Solution :

The correct answer is **option 1 i.e. EUOT**.

Logic : Every Letter (Alphabetic Position) + 3

GAMU is related to JDPX

$$G + 3 = J$$

$$A + 3 = D$$

$$M + 3 = P$$

$$U + 3 = X$$

LHTC is related to OKWF

$$L + 3 = O$$

$$H + 3 = K$$

$$T + 3 = W$$

$$C + 3 = F$$

Similarly ,

BRLQ related to

$$B + 3 = E$$

$$R + 3 = U$$

$$L + 3 = O$$

$$Q + 3 = T$$

Hence, **EUOT** is the correct answer.



Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. A couple of minutes later, a woman comes running towards the desk. As soon as she sees the little girl, she shouts and (1)_____ up to her. She lifts the girl into her arms and holds her very tight. Then she separates herself from her daughter and looks at her (2)_____ while she says, "I am here, Andrea. Everything is okay. I love you, honey." Then she turns and (3)_____ the man. "Thank you so much, sir," she says. "We got separated in the crowd earlier. My daughter is deaf, so I could not make an (4)_____ over the speakers for her. I was looking for her everywhere. I was so worried!". Now the man understands why the little girl did not look at him until he (5)_____ her shoulder.

Question 27 :

Which of the following numbers will replace the question mark (?) in the given series to make it logically complete?
8,17,?,197,773,3077

Difficulty : Moderate

Average Time : 99 Seconds

Options :

57

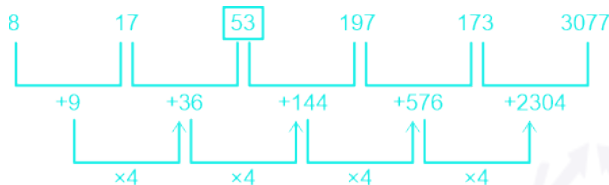
2. 53

3. 45

4. 69

Solution :The correct answer is **option 2 i.e. 53.****Given series :** 8, 17, ?, 197, 773, 3077

The Logic followed is :

Hence, **53** is the correct answer.**Comprehension :**

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. A couple of minutes later, a woman comes running towards the desk. As soon as she sees the little girl, she shouts and (1)_____ up to her. She lifts the girl into her arms and holds her very tight. Then she separates herself from her daughter and looks at her (2)_____ while she says, "I am here, Andrea. Everything is okay. I love you, honey." Then she turns and (3)_____ the man. "Thank you so much, sir," she says. "We got separated in the crowd earlier. My daughter is deaf, so I could not make an (4)_____ over the speakers for her. I was looking for her everywhere. I was so worried!". Now the man understands why the little girl did not look at him until he (5)_____ her shoulder.

Question 28 :

If 'A' stands for '(div)', B stands for '(imes)', C stands for '+' and D stands for '-', what will come in place of the question mark '?' In the following equation. $23C\ 13B\ 841A\ 29D\ 91 = ?$

Difficulty : Moderate**Average Time :** 88 Seconds**Options :**

1. 329



319

3. 289

4. 309

Solution :

The correct answer is **option 4 i.e. 309.**

Given Equation : $23C 13B 841A 29D 91 = ?$

After applying the correct signs the equation becomes :

$23 + 13 \times 841 \div 29 - 91$ (Using BODMAS)

$23 + 13 \times 29 - 91$

$23 + 377 - 91$

$400 - 91$

309

Hence, **309** is the correct answer.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. A couple of minutes later, a woman comes running towards the desk. As soon as she sees the little girl, she shouts and (1)_____ up to her. She lifts the girl into her arms and holds her very tight. Then she separates herself from her daughter and looks at her (2)_____ while she says, "I am here, Andrea. Everything is okay. I love you, honey." Then she turns and (3)_____ the man. "Thank you so much, sir," she says. "We got separated in the crowd earlier. My daughter is deaf, so I could not make an (4)_____ over the speakers for her. I was looking for her everywhere. I was so worried!". Now the man understands why the little girl did not look at him until he (5)_____ her shoulder.

Question 29 :

The positive of how many letters will remain unchanged if each of the letters in the word ANOTHER is arranged in reversed alphabetical order i.e. starting with the last letter (Z) ?

Difficulty : Moderate

Average Time : 91 Seconds

Options :

1. None



Three

3. One

4. Two

Solution :

The correct answer is **option 2i.e. Three.**

The letter after arranging in the reverse alphabetical order of the word **ANOTHER** becomes

TRONHEA

The letters O , H and E remains unchanged .

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

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. A couple of minutes later, a woman comes running towards the desk. As soon as she sees the little girl, she shouts and (1)_____ up to her. She lifts the girl into her arms and holds her very tight. Then she separates herself from her daughter and looks at her (2)_____ while she says, "I am here, Andrea. Everything is okay. I love you, honey." Then she turns and (3)_____ the man. "Thank you so much, sir," she says. "We got separated in the crowd earlier. My daughter is deaf, so I could not make an (4)_____ over the speakers for her. I was looking for her everywhere. I was so worried!". Now the man understands why the little girl did not look at him until he (5)_____ her shoulder.

Question 30 :

Each of the letter in the word JOURNAL are arranged in alphabetical order. How many letters are there in the English alphabetical series between the letter which is fourth from the left and the one which is second from the right in the new letter cluster thus formed?

Difficulty : Moderate

Average Time : 93 Seconds

Options :

1. Six

2. Three

3. Five

4. Four

Solution :

The correct answer is **option 2 i.e. Three.**

Given word : JOURNAL

The letters in the word JOURNAL are arranged in alphabetical order will be :

AJLNORU

The letter which is fourth from the left is N and the one which is second from the right is R in the new letter cluster thus formed . So, there are 3 letter between N and R in the alphabetic order.

Hence, **Three** is the correct answer.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. A couple of minutes later, a woman comes running towards the desk. As soon as she sees the little girl, she shouts and (1)_____ up to her. She lifts the girl into her arms and holds her very tight. Then she separates herself from her daughter and looks at her (2)_____ while she says, "I am here, Andrea. Everything is okay. I love you, honey." Then she turns and (3)_____ the man. "Thank you so much, sir," she says. "We got separated in the crowd earlier. My daughter is deaf, so I could not make an (4)_____ over the speakers for her. I was looking for her everywhere. I was so worried!". Now the man understands why the little girl did not look at him until he (5)_____ her shoulder.

Question 31 :

XU289 is related to SP324 in a certain way based on the English alphabetical order. In the same way, QN361 is related to LI400. To which of the following is JG441 related to, following the same logic?

Difficulty : Moderate

Average Time : 99 Seconds

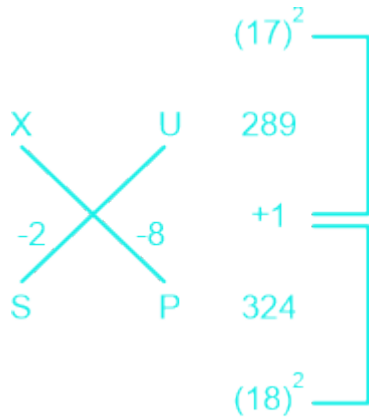
Options :

1. EB484
2. FB464
3. FB484
4. EB464

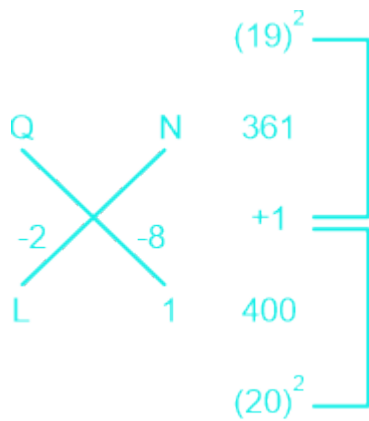
Solution :

The correct answer is **option 1 i.e. EB484.**

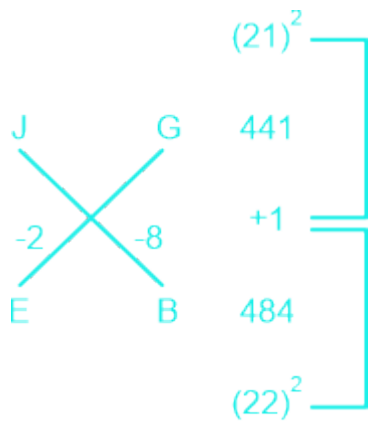
XU289 is related to SP324



QN361 is related to LI400



JG441 related to



Hence, **EB484** is the correct answer.

Question 32 :

What should come in place of the question mark (?) in the given series? 57 43 31 21 13 ?



Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 5

2. 6

3. 9

4. 7

Solution :

The correct answer is **option 4 i.e. 7**.

Given series: 57 43 31 21 13 ?

Logic :

$$57 - 14 = 43$$

$$43 - 12 = 31$$

$$31 - 10 = 21$$

$$21 - 8 = 13$$

$$13 - 6 = 7$$

Hence , **7** is the correct answer.

Question 33 :

In a certain code language, 'RHETORIC' is coded as '6' and 'GURGLE' is coded as '4'. What will be the code for 'SIGNATURE' in the given code language?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 5

2. 7

3. 8

4. 12

Solution :



The correct answer is **option 2 i.e. 7**

Logic : Number of letters in the word - 2

'RHETORIC' is coded as '6' = $8 - 2 = 6$

'GURGLE' is coded as '4' = $6 - 2 = 4$

'SIGNATURE' = $9 - 2 = 7$

Hence, **7** is the correct answer.

Question 34 :

In a certain code language, 'PACKET' is coded as '62' and 'POST' is coded as '74' and 'FAIR' is coded as '38'. How is 'PEOPLE' coded in the given language.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 72

2. 75

3. 70

4. 77

Solution :

The correct answer is **option 2 i.e. 75**.

Logic : Sum of letters (Alphabetic order) + Number of letters in the word

'PACKET' is coded as '62'

$(16 + 1 + 3 + 11 + 5 + 20) + 6 = 56 + 6 = 56$

'POST' is coded as '74'

$(16 + 15 + 19 + 20) + 4 = 70 + 4 = 74$

'FAIR' is coded as '38'

$(6 + 1 + 9 + 18) + 4 = 34 + 4 = 38$

Similarly ,

'PEOPLE' coded



$$(16 + 5 + 15 + 16 + 12 + 5) + 6 = 69 + 6 = 75$$

Hence, **75** is the correct answer.

Question 35 :

In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the option in which the numbers are related in the same way as are the numbers of the following pairs. (NOTE: Operations should be performed on the whole numbers without breaking down the numbers into its constituent digits. E.g. 13 - operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 9,56 17,104

Difficulty : Moderate**Average Time : 65 Seconds****Options :**

1. 11,83
2. 8,51
3. 12,69
4. 15,92

Solution :

The correct answer is **option 4 i.e. 15,92.**

Logic : (First Number x 6) + 2

9,56

$$(9 \times 6) + 2 = 54 + 2 = 56$$

17,104

$$(17 \times 6) + 2 = 102 + 2 = 104$$

Similarly, Follows the same logic

15,92

$$(15 \times 6) + 2 = 90 + 2 = 92$$

Hence, **15,92** is the correct answer.

Question 36 :

Select the options in which the numbers share the same relationship as that shared by the given pairs of numbers. (NOTE:

Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13- Operations on 13 such as adding/subtracting/multiplying etc.to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.) 12:29 and 15:35

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 19:40
2. 16:37
3. 41:85
4. 36:72

Solution :

The correct answer is **option 2 i.e. 16:37.**

Logic : (First Number x 2) + 5

12:29

$$(12 \times 2) + 5 = 24 + 5 = 29$$

15:35

$$(15 \times 2) + 5 = 30 + 5 = 35$$

Similarly, Option 2 follows the same logic :

16:37

$$(16 \times 2) + 5 = 32 + 5 = 37$$

Hence, **16:37** is the correct answer.

Question 37 :

Select the option that is related to the third term in the same way as the second term is related to the first term and sixth term is related to fifth term. 4:128. :: 5:? :: 7:686

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 225
2. 240



255

4. 250

Solution :

The correct answer is **option 4 i.e. 250.**

Logic : (First number)³ x 2 = Second Number

4:128

$$(4)^3 \times 2 = 64 \times 2 = 128$$

7:686

$$(7)^3 \times 2 = 343 \times 2 = 686$$

Similarly,

5:?

$$(5)^3 \times 2 = 125 \times 2 = \mathbf{250}$$

Hence, **250** is the correct answer.

Question 38 :

Which number from among the given options can replace the question mark (?) in the following series? 12, ?, 82, ,123, ,168, 217

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. 63

2. 45

3. 51

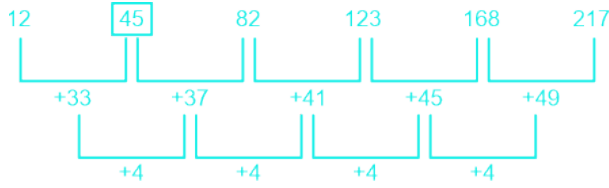
4. 42

Solution :

The correct answer is **option 2 i.e. 45.**

Given series : 12, ?, 82, ,123, ,168, 217

Logic : The logic followed here is :



Hence, **45** is the correct answer.

Question 39 :

In a certain code language, A + Z means 'A is the mother of Z', A - Z means 'A is the brother of Z', A (imes)Z means 'A is the sister of Z', A (div)Z means 'A is the daughter of Z', Based on the above, how is J related to L, If 'J + K (div)L - T (imes)R' ?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Mother
2. Husband's sister
3. Wife
4. Sister

Solution :

The correct answer is **option 3 i.e. Wife.**

Given equation : 'J + K (div)L - T (imes)R'

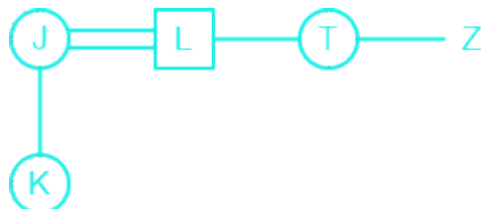
J + K = J is the mother of K

K ÷ L = K is the daughter of L

L - T = L is the brother of T

T x R = T is the sister of R

The Family tree will be shown :



Thus, J is the wife of L



Hence, **wife** is the correct answer.

Question 40 :

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements. Statements: Some mangoes are apples all apples are grapes no pears are mangoes Conclusions: (I) Some grapes are mangoes (II) No grapes are pears.

Difficulty : Moderate

Average Time : 76 Seconds

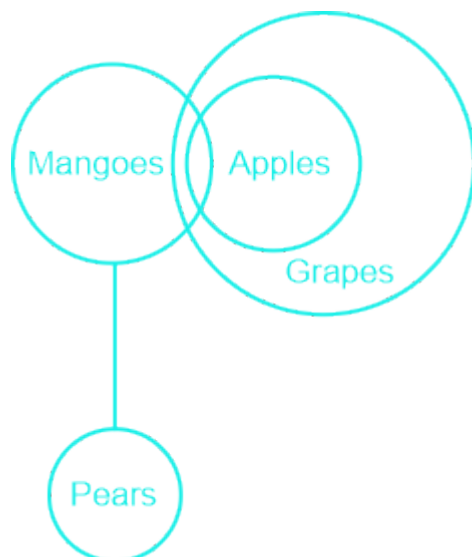
Options :

1. Both conclusions (I) and (II) follows
2. Neither conclusion (I) nor (II) follows
3. Only conclusion (I) follows
4. Only conclusion (II) follows

Solution :

The correct answer is **option 3** i.e. **Only conclusion (I) follows.**

The least possible Venn diagram will be :

**Conclusions:**

(I) Some grapes are mangoes True (As some mangoes are grapes so some grapes are mangoes)

(II) No grapes are pears. False (It is possible but not definite)

Hence, **Only conclusion (I) follows** is the correct answer.

Question 41 :

M is the brother of N. N is the father of O. O is the mother of P who is married to Q. Q is the son of R. S is the father of N and married to T. How is T related to O?

Difficulty : Moderate

Average Time : 67 Seconds

Options :

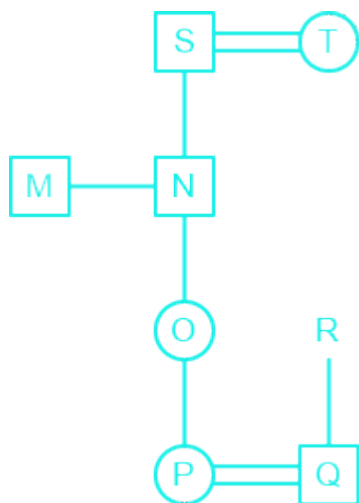
1. Mother's father
2. Mother's father
3. Father's mother
4. Father

Solution :

The correct answer is **option 3 i.e. Father's mother.**

M is the brother of N. N is the father of O. O is the mother of P who is married to Q. Q is the son of R. S is the father of N and married to T.

The Family tree from the given information will be :



Thus , T is mother of O's father.



Hence, **Father's mother** is the correct answer.

Question 42 :

Select the combination of letters which when sequentially placed in the blanks of the given series will complete the series
G_IJG_HIJGGH_IJGGHH_IJ

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. HIJG
2. HGHI
3. JGGJ
4. GHHI

Solution :

The correct answer is **option 2 i.e. HGHI**.

Given sequence: G_IJG_HIJGGH_IJGGHH_IJ

Putting Option 2 the sequence is completed:

H G H I

G H I J / G **G** H I J / G G H **H** I J / G G H H I I J

Thus, **H G H I** completes the sequence.

Hence , **HGHI** is the correct answer.

Question 43 :

What will come in place of the '?' In the following equation, if '+' and '-' are interchanged and '(imes)' and '(div)' are interchanged ? $69 - 44 (imes) 726 (div) 132 + 58 = ?$

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 369
2. 115
3. 19
4. 135

**Solution :**

The correct answer is **option 3 i.e. 19.**

Given series : $69 - 44 \times 726 \div 132 + 58 = ?$

After interchanging '+' and '-' are interchanged and '\(\times\)' and '\(\div\)' the equation becomes :

$$69 + 44 \div 726 \times 132 - 58$$

$$69 + 8 - 58$$

$$77 - 58$$

$$19$$

Hence, **19** is the correct answer.

Question 44 :

BEH is related to GJM in a certain way based on the English alphabetical order. In the same way, FOT is related to KTY. To which of the following is LIN related following the same logic?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. NAT
2. OLQ
3. IFK
4. QNS

Solution :

The correct answer is **Option 4 i.e. QNS.**

Logic: Every letter + 5

BEH is related to GJM

$$B + 5 = G$$

$$E + 5 = J$$

$$H + 5 = M$$

FOT is related to KTY

$$F + 5 = K$$



$O + 5 = T$

$T + 5 = Y$

Similarly,

LIN related

$L + 5 = Q$

$I + 5 = N$

$N + 5 = S$

Hence, **QNS** is the correct answer.

Question 45 :

Find out the correct alternative that when filled in the blanks in the same sequence will make the series logically complete.

ZN_T W_DX _VAB QZX_ N_UJ

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. FQSED
2. GRTFD
3. ESRFG
4. FQRED

Solution :

The correct answer is **option 2 i.e. GRTFD**.

Given Series : ZN_T W_DX _VAB QZX_ N_UJ

Logic : First letter - 3 , Second letter + 5 , Third letter - 3 , Fourth letter + 4

Putting **Option 2** sequence is completed :

G R T F D

ZN**G**T/W**R**D**X**/T**V**A**B**/Q**Z**X**F**/N**D**U**J**

Thus G R T F D completes the sequence.



Hence, **G R T F D** is the correct answer.

Question 46 :

Which letter cluster should come in place of ? In the given series based on the English alphabetical order? VPA, SMX, ? , MGR, JDO

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. **PJU**
2. **RKU**
3. **QGV**
4. **QIW**

Solution :

The correct answer is **option 1 i.e. PJU**.

Given series: VPA, SMX, ? , MGR, JDO

Logic : Every letter - 3

$$V - 3 = S$$

$$P - 3 = M$$

$$A - 3 = X$$

$$S - 3 = P$$

$$M - 3 = J$$

$$X - 3 = U$$

Thus , PJU completes the given series.

Hence, **PJU** is the correct answer.

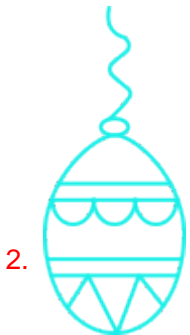
Question 47 :

Select the correct mirror image of the given figure when the mirror is placed at MN as shown.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

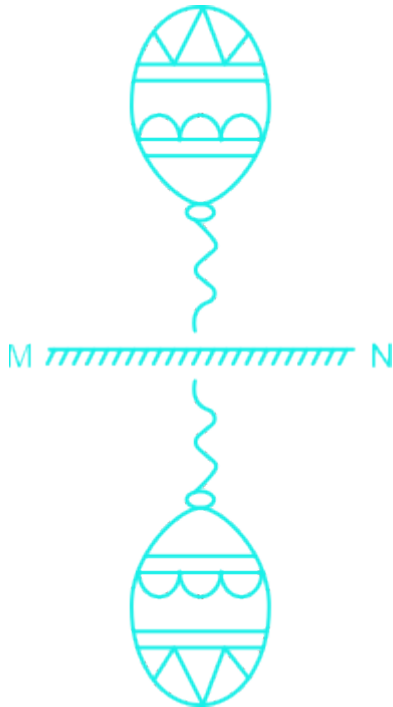


Solution :



Correct answer is **option 4**.

The mirror image of the question figure is shown below:



Since the mirror is placed below the question figure, the bottom side of the original image will now be the top side of the mirror image and vice versa.

Hence, **option 4** is the correct answer.

Question 48 :

Identify the number of rectangles in the given figure

Difficulty : Moderate

Average Time : 70 Seconds

Options :

9

2. 7

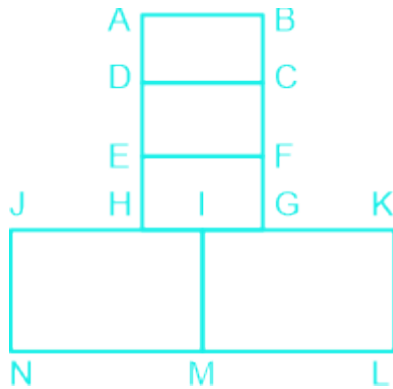
3. 8

4. 10

Solution :

The correct answer is **option 1 i.e. 9.**

We can count the rectangles in the given figure by naming all the points and counting all rectangles one by one initially the smaller one then combining two or more small rectangle.



No. of rectangles = ABCD , CDEF , EFGH , IJMN , IKLM , ABEF , DCGH , JKLN and ABGH.

Hence, **9** is the correct answer.

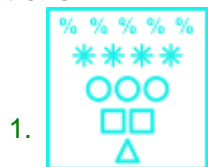
Question 49 :

Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.

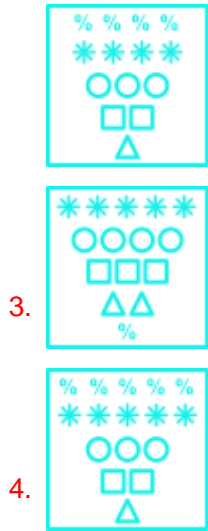
Difficulty : Moderate

Average Time : 54 Seconds

Options :



2.



Solution :

The correct answer is **option 1**.

The pattern followed here is:

The elements inside the figure are shifting in the upward direction and increase by 1.

And the top elements shifted in the bottom.



Hence, the correct answer is **option 1**.

Question 50 :

Select the correct image of the given figure when the mirror is placed at MN as shown below.

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. Bv4t9z2a
2. Bv4t9z2a
3. Bv4t9z2a
4. Bv4t9z2a

Solution :

Correct answer is **option 4.**

The mirror image of the question figure is shown below:



Since the mirror is placed on the right side of the question figure, the right side of the original image will now be the left side of the mirror image and vice versa.

Hence, **option 4** is the correct answer.

Question 51 :

Ramachandran sold his computer at three successive discounts of 18%, 12% and 5%. If the marked price of the computer is Rs 36000, then find the net selling price of the computer. (Correct to two places of decimals)

Difficulty : Moderate

Average Time : 78 Seconds

Options :

1. Rs 24,786.72
2. Rs 24,678.72
3. Rs 24,687.72
4. Rs 24,876.72

Solution :

Correct answer is **option 2** i.e. Rs 24,678.72

Given:

Marked price = Rs 36000

Discount₁ = 18%

Discount₂ = 12%

Discount₃ = 5%

Calculations:



Selling price of the computer after three successive discounts of 18%, 12% and 5%

$$\text{Selling price} = 36000 \times (100 - 18)\% \times (100 - 12)\% \times (100 - 5)\%$$

$$\text{Selling price} = 36000 \times 82\% \times 88 \times 95\%$$

$$\text{Selling price} = \text{Rs } 24678.72$$

Question 52 :

If the distance between the centres of two circles is 12 cm and the radii are 5 cm and 4 cm, then the length (in cm) of the transverse common tangent is:

Difficulty : Moderate**Average Time : 53 Seconds****Options :**

1. 9
2. $\sqrt{143}$
3. $\sqrt{63}$
4. 7

Solution :

Correct answer is **option 3** i.e. $\sqrt{63}$

Given:

Distance between the centres of two circles is 12 cm

Radii are 5 cm and 4 cm

Formula used:

$$\text{Transverse common tangent} = (D^2 - (R + r)^2) \quad \text{---- (1)}$$

Where D = distance between the centre of two circles

R and r are the radius of two circles

Calculations:

Using equation (1), we get

$$(12^2 - (5 + 4)^2)$$

$$(144 - 81)$$



63

Question 53 :

A Publishers Supplies books to a book-seller at a 20% discount on the list price of Rs. 1,574.80. If the book-seller sells books at the list price and if his expenses for the freight etc. are Rs.45.40, determine his profit.

Difficulty : Moderate**Average Time : 67 Seconds****Options :**

1. Rs.285.34
2. Rs.269.56
3. Rs.273.50
4. Rs.282.22

Solution :

The Correct answer is **option 2** i.e. **Rs.269.56**.

Given:

The list price of the book = Rs. 1,574.80

Discount provided by the publisher = 20%

Expenses for freight etc. = Rs. 45.40

Calculation:

Discount = 20% of 1574.80

= $(20/100) \times 1574.80$

= Rs. 314.96

Cost price to the seller after the discount:

Cost price = List price - Discount

= 1574.80 - 314.96

= Rs. 1259.84

Add the expenses to the cost price to get the total cost:

Total cost = Cost price + Expenses

$$= 1259.84 + 45.40$$

$$= \text{Rs } 1305.24$$

Since the seller sells the book at the list price, the selling price is the same as the list price:

$$\text{Selling price} = \text{Rs. } 1574.80$$

$$\text{Profit} = \text{Selling price} - \text{Total cost}$$

$$= 1574.80 - 1305.24$$

$$= \text{Rs. } 269.56$$

So, the profit of the bookseller is Rs. 269.56.

Question 54 :

A computer is available for Rs 39,000 on cash payment or Rs 19,000 as cash payment followed by five monthly instalments of Rs 4200 each. What is the rate of interest per annum under the instalment plan.

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. $20\left(\frac{19}{29}\right)\%$
2. $20\left(\frac{17}{29}\right)\%$
3. $20\left(\frac{20}{29}\right)\%$
4. $20\left(\frac{18}{29}\right)\%$

Solution :

Correct answer is **option 3** i.e. $20\left(\frac{20}{29}\right)\%$

Formula used:

$$SI = \frac{PRT}{100}$$

Where, SI = Simple interest, P = principal, R = rate and T = time

Calculations:

$$\text{CP of the computer} = \text{Rs } 39000$$

$$\text{Downpayment} = \text{Rs } 19000$$

$$\text{Remaining balance} = 39000 - 19000 = \text{Rs } 20000$$



$$\text{Amount (for Rs 20000)} = 20000 + 20000 \times 5/12 \times R/100 = 20000 + 250R/3 \quad \text{---- (1)}$$

Sum of all the installments for 5 months

$$(4200 + \text{SI on } 4200 \text{ for 4 months}) + (4200 + \text{SI on } 4200 \text{ for 3 months}) + (4200 + \text{SI on } 4200 \text{ for 2 months}) + (4200 + \text{SI on } 4200 \text{ for 1 months}) + 4200$$

$$21000 + (4200 \times 10/12 \times R/100)$$

$$21000 + 35R \quad \text{---- (2)}$$

Now equating equation (1) = equation (2)

$$20000 + 250R/3 = 21000 + 35R$$

$$R = 3000/145 \text{ or } 20(20/29)\%$$

Question 55 :

The number of stations in four different cities A,B,C and D are given below. The angles made by the cities C and D on pie chart _____ degrees

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. 150, 70
2. 70, 150
3. 90, 120
4. 120, 90

Solution :

Correct answer is **option 4** i.e. **120, 90**.

Calculations:

We know that,

$$360^\circ = (1200 + 900 + 800 + 700)$$

$$360^\circ = 3600$$

$$1^\circ = 10$$

Therefore, angle made by city C = $1200/10 = 120^\circ$

Angle made by city D = $900/10 = 90^\circ$

**Question 56 :**

A direct common tangent is drawn to two circles of radius 25cm and 20 cm. The centers of the two circles are 35 cm apart. What is the length (in cm) of the tangent?

Difficulty : Moderate**Average Time : 44 Seconds****Options :**

1. $25\sqrt{2}$
2. $25\sqrt{3}$
3. $20\sqrt{3}$
4. $20\sqrt{2}$

Solution :

The Correct answer is **option 3** i.e. $20\sqrt{3}$

Formula used:

Length of direct common tangent = $(\text{Difference between the centers})^2 - (\text{Difference between the radius of two circles})^2$

Calculations:

According to the question;

$$\text{length (in cm) of the tangent} = (35)^2 - (25 - 20)^2$$

$$(1225 - 25)$$

$$1200$$

$$203$$

Question 57 :

If $(a - b) = 9$, and $(a^3 - b^3) = 4401$, find the value of ab .

Difficulty : Moderate**Average Time : 55 Seconds****Options :**

1. 190
2. 112
3. 162



136

Solution :Correct answer is **option 4** i.e. 136**Given:**

$$(a - b) = 9$$

$$(a^3 - b^3) = 4401$$

Formula used:

$$(a - b)^3 = a^3 - b^3 - 3ab(a - b)$$

Calculations:

According to the question;

$$(a - b)^3 = a^3 - b^3 - 3ab(a - b)$$

$$9^3 = 4401 - 3ab(9)$$

$$729 = 4401 - 27ab$$

$$27ab = 4401 - 729$$

$$ab = 136$$

Question 58 :

The average weight of group A and group B is 12kg and 24 kg respectively. The ratio of members in group A to group B is 1:2. Find the combined average of both the groups.

Difficulty : Moderate**Average Time : 61 Seconds****Options :**

1. 16 Kg

2. 22 Kg

3. 20 Kg

4. 18 Kg

Solution :Correct answer is **option 3** i.e. 20 Kg

**Given:**

Average weight of group A and group B is 12kg and 24 kg.

The ratio of members in group A to group B is 1 : 2.

Formula used:

Average = Sum of observations/total number of observations

Calculations:

Let the number of members of group A and B be x and 2x.

Sum of weight of group A = $12 \times x = 12x$

Sum of weight of group B = $24 \times 2x = 48x$

Required average = $(12x + 48x)/(x + 2x) = 60x/3x = 20$ kg

Question 59 :

If $A = 60^\circ$, $B = 30^\circ$, then find the value of $\sin A \cos B + \cos A \sin B$

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 0
2. 12
3. 13
4. 1

Solution :

Correct answer is **option 4** i.e. 1.

Given:

$A = 60^\circ$, $B = 30^\circ$

Calculations:

According to the question;

$$\sin 60 \times \cos 30 + \cos 60 \times \sin 30$$

$$\frac{3}{2} \times \frac{3}{2} + \frac{1}{2} \times \frac{1}{2}$$



$$\frac{3}{4} + \frac{1}{4}$$

1

Question 60 :

If $(a + \frac{1}{a}) = 6$, then what is the value of $(\frac{3}{4})(a^2 + \frac{1}{a^2})$?

Difficulty : Moderate**Average Time : 43 Seconds****Options :**

1. 22.5
2. 34
3. 25.5
4. 36

Solution :

Correct answer is **option 3 i.e. 25.5**

Given:

$$(a + \frac{1}{a}) = 6$$

Formula used:

$$(a + b)^2 = a^2 + b^2 + 2ab$$

Calculations:

According to the question;

$$(a + \frac{1}{a})^2 = a^2 + \frac{1}{a^2} + 2$$

$$6^2 = a^2 + \frac{1}{a^2} + 2$$

$$a^2 + \frac{1}{a^2} = 34$$

Now,

$$\frac{3}{4}(a^2 + \frac{1}{a^2}) = \frac{3}{4} \times 34$$

$$5\frac{1}{2} = 25.5$$

Question 61 :

A is a working partner and B is a sleeping partner in a business. A invested Rs 30000 and B invested Rs 50,000. A receives 20% of the profit for managing the business and the rest is divided in proportion to their capital. What does B get



out of the profit of Rs 10,000?

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. Rs 5,500
2. Rs 5000
3. Rs 4500
4. Rs 4000

Solution :

Correct answer is **option 2 i.e. Rs 5,000**

Given:

A invested Rs 30000 and B invested Rs 50,000.

A receives 20% of the profit.

Calculations:

Ratio of Investment by A and B = 30000 : 50000 = 3 : 5

A receives 20% profit which is = $\frac{1}{5}$

Total profit be 5x

$$5x = 10000$$

$$x = 2000$$

$$\text{Remaining amount} = 10000 - 2000 = 8000$$

$$\text{Now, share of B} = \left(\frac{5}{8}\right) \times 8000 = \text{Rs } 5000$$

Question 62 :

The below data gives the number of boys and girls in class V, class VI, class VII and class VIII. Which class has maximum number of students?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. VIII



V

3. VI

4. VII

Solution :Correct answer is **option 2** i.e. V**Calculations:**Total number of students in class V = $65 + 58 = 123$ Total number of students in class VI = $59 + 57 = 116$ Total number of students in class VII = $60 + 62 = 122$ Total number of students in class VIII = $61 + 59 = 120$

Hence, class V has maximum number of students.

Question 63 :

In a solution of water and milk, the quantity of milk is double the quantity of water. To pass the quality standards, the solution must contain 90% milk in it. If the volume of solution is v , then how much pure milk in litre is to be added to the solution to pass the quality standard.

Difficulty : Moderate**Average Time : 54 Seconds****Options :**1. $\frac{4}{3}V$ 2. $\frac{3}{4}V$ 3. $\frac{7}{4}V$ 4. $\frac{7}{3}V$ **Solution :**Correct answer is **option 4** i.e. $\frac{7}{3}V$ **Calculations:**Let the total volume of the solution v be 15 literQuantity of milk (initially) = $\frac{2}{3} \times 15 = 10$ literAmount of milk (x) to be added to make the ratio 9 : 1



$$(10 + x)/5 = 9/1$$

$$10 + x = 45$$

$$x = 35$$

$$\text{Required volume} = (35/15)v$$

$$7/3v$$

Question 64 :

Which of the following numbers is not divisible by 6.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 1,97,232

2. 9,72,132

3. 8,00,552

4. 17,90,184

Solution :

Correct answer is **option 3** i.e. **8,00,552**

Concept used:

The divisibility rule of 6 states that if a number is divisible by 6 then it also divisible by 2 and 3.

Calculations:**Option 1:**

$$1 + 9 + 7 + 2 + 3 + 2 = 24 \text{ (divisible by 2 and 3)}$$

Option 2:

$$9 + 7 + 2 + 1 + 3 + 2 = 24 \text{ (divisible by 2 and 3)}$$

Option 3:

$$8 + 0 + 0 + 5 + 5 + 2 = 20 \text{ (divisible by 2 but not by 3)}$$

Hence, 8,00,552 is not divisible by 6.

Question 65 :



A man buys a toy car for Rs 225 and sells it for Rs 210. Find his loss percentage (round up to two decimal places).

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 4.44%
2. 93.33%
3. 3.33%
4. 6.67%

Solution :

Correct answer is **option 4 i.e. 6.67%**.

Given:

Cost price = 225

Selling price = 210

Concept used:

Loss = CP - SP

Loss% = (Loss/CP) × 100

Calculations:

Loss = 225 - 210 = Rs 15

Required loss % = (15/225) × 100 = 6.67%

Question 66 :

In triangle ABC, the straight line parallel to the side BC meets AB and AC at the points P and Q, respectively. If AP=QC, the length of AB is 16 cm and the length of AQ is 4 cm, the the length (in cm) CQ is :

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. $(2\sqrt{21})+2$
2. $(2\sqrt{18}) - 2$
3. $(2\sqrt{17}) - 2$

$(2\sqrt{19} + 2)$

Solution :

Correct answer is **option 3** i.e. $(2\sqrt{17} - 2)$

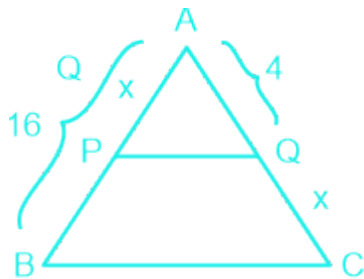
Given:

$AQ = CQ$

Concept used:

Similarity of triangles

Calculations:



Triangle ABC and triangle APQ are similar

$AP/AB = AQ/AC$

$x/16 = 4/(x + 4)$

$x(4 + x) = 64$

$x^2 + 4x - 64 = 0$

$x = 2(217 - 2)$

Question 67 :

Aman wants to get his spherical overhead water tank having a diameter of 7 m, painted. If the cost of painting is Rs 13 per square metre, find the cost of painting Aman's spherical overhead water tank. (Use $\pi = 22/7$)

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. Rs 1872
2. Rs 1984





Rs 2002

4. Rs 1926

Solution :

Correct answer is **option 3 i.e. Rs 2002**

Given:

Diameter = 7 cm

Cost of painting is Rs 13 per square metre

Formula used:

Total surface of a sphere = $4r^2$

Where, r = radius

Calculations:

According to the question;

$$TSA = 4 \times \frac{22}{7} \times \left(\frac{7}{2}\right)^2$$

$$154 \text{ cm}^2$$

Required cost of painting = $154 \times 13 = \text{Rs } 2002$

Question 68 :

If $(\sin \theta - \cos \theta) = 0$, then the value of $\sin(\theta) + \sin\left(\frac{\pi}{2} - \theta\right)$ is:

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 1
2. 0
3. $\sqrt{3}$
4. $\sqrt{2}$

Solution :

Correct answer is **option 4 i.e. $\sqrt{2}$**

Given:



$$(\sin - \cos) = 0$$

Calculations:

$$(\sin - \cos) = 0$$

$$\sin = \cos$$

When $\theta = 45^\circ$

$$\sin(\theta) + \sin\left(\frac{\pi}{2} - \theta\right)$$

$$\sin(180 - 45) + \sin(90 - 45)$$

$$\sin 135 + \sin 45$$

$$2 \times \sin 45$$

$$2 \times \frac{1}{2} \text{ or}$$

$$2$$

Question 69 :

If the price of a movie ticket increased by $12\left(\frac{1}{2}\right)\%$ and the sale of tickets also increased by $8\left(\frac{1}{2}\right)\%$, the find % change in income

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. 21.875%
2. 22.6750%
3. 20.675%
4. 22.0625%

Solution :

Correct answer is **option 4** i.e. **22.0625%**

Calculations:

Let the price of the ticket be $8x$

Price after increase = 112.5% of $8x = 9x$

Let the sales of the tickets be $200y$

sales of the tickets also increased = 108.5% of 200y = 217y

Total income before increase in price = $8x \times 200y = 1600xy$

Total income after increase in price = $9x \times 217y = 1953xy$

Required percentage = $[(1953xy - 1600xy)/1600xy] \times 100$

22.0625%

Question 70 :

Study the table given below and answer the question that follows. The table below shows the total number of student's studying different subjects in a college and the percentage of boys and girls. Subject Number of students Percentage of Girls Percentage of Boys Hindi 110 60 40 English 70 50 50 Physics 50 30 70 Chemistry 40 80 20 Mathematics 80 20 80 Computers 90 40 60 What is the respective ratio of the number of girls studying English to that of girls studying computers.

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 22:23
2. 33:35
3. 36:23
4. 35:36

Solution :

Correct answer is **option 4 i.e. 35:36**

Calculations:

Total number of students studying english = 70

Total number of students studying computers = 90

Number of girls studying English = 50% of 70 = 35

Number of girls studying computers = 40% of 90 = 36

Required ratio = 35 : 36

Question 71 :

The value of $\cot 13^\circ \cot 27^\circ \cot 60^\circ \cot 63^\circ \cot 77^\circ$ is:

Difficulty : Moderate

Average Time : 40 Seconds

**Options :**

1. $\frac{1}{\sqrt{3}}$
2. 0
3. $\sqrt{3}$
4. 1

Solution :

Correct answer is **option 1** i.e. $\frac{1}{\sqrt{3}}$

Concept used:

$$\cot(90 - A) = \tan A$$

$$\tan A = 1/\cot A$$

Calculations:

$$\cot 13^\circ \cot 27^\circ \cot 60^\circ \cot 63^\circ \cot 77^\circ$$

According to the question;

$$\cot 13^\circ \cot 27^\circ \cot 60^\circ \cot(90 - 27^\circ) \cot(90 - 13^\circ)$$

$$\cot 13^\circ \cot 27^\circ \cot 60^\circ \cot(90 - 27^\circ) \cot(90 - 13^\circ)$$

$$\cot 13^\circ \cot 27^\circ \cot 60^\circ \tan 27^\circ \tan 13^\circ$$

$$\cot 13^\circ \times \cot 27^\circ \times \cot 60^\circ \times 1/\cot 27^\circ \times 1/\cot 13^\circ$$

$$\cot 60^\circ = 1/3$$

Question 72 :

If $(x + \frac{1}{x}) = 5(\sqrt{2})$, and $X > 1$, what is the value of $(x^6 - \frac{1}{x^6})$?

Difficulty : Moderate**Average Time : 66 Seconds****Options :**

1. $22970\sqrt{23}$
2. $23030\sqrt{23}$
3. $23060\sqrt{23}$
4. $22960\sqrt{23}$

**Solution :**

Correct answer is **option 2** i.e. $23030\sqrt{23}$

Given:

$$x + 1/x = 52$$

Formula used:

If $x + 1/x = a$ then

$$x - 1/x = a^2 - 4$$

$$(a + b)^3 = a^3 + b^3 + 3ab(a + b)$$

$$(a - b)^3 = a^3 - b^3 - 3ab(a - b)$$

Calculations:

$$x + 1/x = 52$$

Using equation (1), we get

$$x - 1/x = 46$$

Now using equation (2), we get

$$x^3 + 1/x^3 = 2352$$

Similarly, using equation (3), we get

$$x^3 - 1/x^3 = 4946$$

According to the question;

$$x^6 - 1/x^6 = (x^3 + 1/x^3)(x^3 - 1/x^3)$$

$$2352 \times 4946$$

$$2303023$$

Question 73 :

Which of the following set of angles forms a triangle?

Difficulty : Moderate

Average Time : 82 Seconds

Options :

1. $60^\circ, 70^\circ, 80^\circ$



60°, 70°, 30°

3. 60°, 40°, 80°

4. 60°, 50°, 80°

Solution :

Correct answer is **option 3** i.e. **60°, 40°, 80°**

Concept used:

To form a triangle,

Sum of all angles of a triangle must be equal to 180°

Calculations:**Option 1:**

$$60^\circ + 70^\circ + 80^\circ > 180^\circ$$

$$210^\circ > 180^\circ$$

Option 2:

$$60^\circ + 70^\circ + 30^\circ < 180^\circ$$

$$160^\circ < 180^\circ$$

Option 3:

$$60^\circ + 40^\circ + 80^\circ = 180^\circ$$

$$180^\circ = 180^\circ$$

Hence, 60°, 40°, 80° is the set of angles that forms a triangle

Question 74 :

A laptop is marked at a price 20% above its cost price. At what discount percentage should it be sold to make a 5% profit.

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 11.5%

2. 12.5%

3. 13.5%



10.5%

Solution :

Correct answer is **option 2** i.e. **12.5%**

Formula used:

Discount = Marked Price - Selling Price

Discount (%) = (Discount/Marked Price) × 100

Calculations:

Let the cost price be 100x

Marked price = 120% of 100x = 120x

When the profit is 5%

Selling price = 105% of 100x = 105x

Discount = 120x - 105x = 15x

Discount % = (15x/120x) × 100 = 12.5%

Question 75 :

Find the compound interest on Rs 50,000 for one year at 8% per annum when compounded half yearly.

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Rs 3900
2. Rs 3880
3. Rs 4080
4. Rs 3950

Solution :

Correct answer is **option 3** i.e. **Rs 4080**.

Given:

Principal = Rs 50000

Rate = 8%



Time = 1 year

Concept used:

When the interest is compounded half yealy,

$$T = 2T \text{ and } R = R/2$$

$$CI = P(1 + R/200)^{2T} - P$$

Where, CI = Compound interest, P = principal, R = rate and T = time period

Calculations:

Interest is compounded half yealy,

$$T = 2 \text{ and } R = 8/2 = 4\%$$

According to the question,

$$CI = 50000(1 + 4/100)^2 - 50000$$

$$CI = 54080 - 50000$$

$$CI = 4080$$

Question 76 :

Which of the following schemes/ programmes is NOT related to micro finance type of initiatives?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Ujjawala scheme
2. Jan dhan yojana
3. Jeevika Project
4. Indira Kranthi Patham Programme

Solution :

The correct answer is **option 1** i.e. **Ujjawala Scheme**.

The Ujjwala Scheme is not related to microfinance initiatives. Instead, it is a government scheme launched in India aimed at providing free LPG connections to below-poverty-line households to promote clean cooking fuel and reduce the health hazards associated with traditional cooking methods.

Question 77 :



Bastar Dussehra is celebrated in which of the following states?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Uttar Pradesh
2. Haryana
3. Chhattisgarh
4. Jharkhand

Solution :

The correct answer is **option 3** i.e. **Chhattisgarh**.

- Bastar Dussehra is celebrated in the state of Chhattisgarh, India.
- It is a unique and vibrant festival observed in the Bastar region of Chhattisgarh, known for its rich cultural heritage and traditional rituals.

Question 78 :

In the MPL 59th Senior National Chess Championship held in Delhi ,Who became India's 78th Grandmaster ?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. G Akash
2. Koustav Chatterjee
3. Pranav V
4. Prithu Gupta

Solution :

The correct answer is **option 2** i.e. **Koustav Chatterjee**.

- Koustav Chatterjee became India's 78th Grandmaster in MPL 59th National Senior Chess Championship in New Delhi.
- Koustav earned his maiden GM-norm in 2021 October at Sheikh Russel GM 2021 in Bangladesh.

Question 79 :

Which of the following Articles says that double jeopardy which says that "no person shall be prosecuted or punished for the same offence more than once" ?



Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Article 21 (2)
2. Article 19 (1)
3. Article 20 (2)
4. Article 22 (2)

Solution :

The correct answer is **option 3** i.e. **Article 20 (2)**.

The principle of double jeopardy, which ensures that no person shall be prosecuted or punished for the same offense more than once, is enshrined in Article 20(2) of the Constitution of India.

Question 80 :

The neutral point in the magnetic field of a horizontally placed bar magnet is the:

Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. Point where the magnetic field changes direction
2. Point where the magnetic field is the weakest
3. Point where the magnetic field is the strongest
4. Point where the magnetic field is zero.

Solution :

The correct answer is **option 4** i.e. **Point where the magnetic field is zero**.

- The neutral point in the magnetic field of a horizontally placed bar magnet is indeed the point where the magnetic field strength is zero.
- This neutral point typically lies along the axis of the magnet, equidistant from its north and south poles.
- At this point, the magnetic forces exerted by the north and south poles of the magnet cancel each other out, resulting in zero net magnetic field strength.

Question 81 :

What is a nutritional disorder caused by vitamin B3 deficiency, leading to clinical manifestations from the skin, gastrointestinal tract and nervous system?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. Anaemia
2. Pellagra
3. Beri beri
4. Scurvy

Solution :

The correct answer is **option 2** i.e. **Pellagra**.

- A nutritional disorder caused by vitamin B3 deficiency is known as pellagra.
- Pellagra leads to clinical manifestations affecting the skin, gastrointestinal tract, and nervous system.
- Symptoms may include dermatitis, diarrhea, dementia, and other neurological abnormalities.
- Treatment typically involves supplementation with vitamin B3 (niacin) and addressing dietary deficiencies.

Question 82 :

With which scientist did William Ramsay show in 1894 that air also contained an element unknown till then, which was named argon?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Lord Rayleigh
2. Herrmann Staudinger
3. Glenn seaborg
4. Harold urey

Solution :

The correct answer is **option 1** i.e. **Lord Rayleigh**.

- William Ramsay discovered the element argon in collaboration with the English physicist Lord Rayleigh.
- Their work in 1894 revealed that air contained an element previously unknown, which they named argon.
- This discovery was significant in expanding our understanding of the composition of the atmosphere.

Question 83 :

The Western ghats and Eastern Ghats meet at which of the following places in southern India?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Satpura Hills
2. Nallamala Hills
3. Nilgiri Hills
4. Mahendra Giri Hills

Solution :

The correct answer is **option 3** i.e. **Nilgiri Hills**.

- The Western Ghats and Eastern Ghats meet at a point known as the Nilgiri Hills in southern India.
- The Nilgiri Hills are part of the larger Nilgiri Biosphere Reserve, which is renowned for its biodiversity and ecological significance.

Question 84 :

Which of these is related to public goods?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. The principle of excludability is applicable to its consumption.
2. There is a clear link between the producer and consumer which occurs through the payment process.
3. Its consumption is rivalrous in nature.
4. There is a possibility of free ridership in its consumption.

Solution :

The correct answer is **option 4** i.e. **There is a possibility of free ridership in its consumption**.

The characteristic related to public goods that mentions "a possibility of free ridership in its consumption" is correct. Public goods are non-excludable, meaning that once they are provided, it is difficult to exclude individuals from benefiting from them, regardless of whether they contribute to their provision. This characteristic leads to the possibility of free ridership,



where individuals may enjoy the benefits of the public good without paying for it.

Question 85 :

What is the distance between the goal line and the penalty spot in football?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 11 yards
2. 12 yards
3. 10 yards
4. 9 yards

Solution :

The correct answer is **option 2** i.e. **12 yards**.

- In football, the distance between the goal line and the penalty spot is 11 meters (approximately 12 yards).
- This spot is where penalty kicks are taken from during a match.

Question 86 :

Which among the following is NOT a professional Indian Classical Dancer?

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. Mallika sarabhai
2. Vasundhara Doraswamy
3. Shreya Ghoshal
4. Shovana Narayanan

Solution :

The correct answer is **option 3** i.e. **Shreya Ghoshal**.

Shreya Ghoshal is not a professional Indian classical dancer. She is a renowned playback singer in the Indian music industry, known for her melodious voice and contributions to film music across various languages, including Hindi, Bengali, Telugu, Tamil, Kannada, and Malayalam.

Question 87 :

The Government of India is providing Ayushman Bharat Yojana, a health scheme. This type of government efforts falls



under _____ of the Directive Principles of State Policy.

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Article 48
2. Article 46
3. Article 47
4. Article 45

Solution :

The correct answer is **option 3 i.e. Article 47.**

- The Government of India's initiative of providing the Ayushman Bharat Yojana, a health scheme, falls under the directive principles of State policy related to Article 47 of the Constitution of India.
- This article directs the State to raise the level of nutrition and the standard of living and to improve public health as one of its primary duties.

Question 88 :

In which of the following years was the first radio show broadcast in India?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 1923
2. 1936
3. 1911
4. 1927

Solution :

The correct answer is **option 1 i.e. 1923.**

- The first radio broadcast in India occurred in the year 1923.
- It took place in Bombay (now Mumbai) by the Radio Club of Bombay.
- This historic event marked the beginning of radio broadcasting in India.

Question 89 :

Ustad Akbar Ali Khan is remembered for his contribution to which of the following musical instruments?



Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Tabla
2. Santoor
3. Sitar
4. Sarod

Solution :

The correct answer is **option 4** i.e. **Sarod**.

- Ustad Akbar Ali Khan is remembered for his significant contribution to the musical instrument known as the Sarod.
- He was a renowned Indian classical musician and a master sarod player, contributing immensely to the development and popularization of the instrument.

Question 90 :

Who among the following Indian weightlifters won the silver medal in the women's 49 kg division at the World Weightlifting Championships 2022?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Swati singh
2. Santoshi matsa
3. Sanjitha Chanu
4. Saikhom Mirabai Chanu

Solution :

The correct answer is **option 4** i.e. **Saikhom Mirabai Chanu**.

Former world champion Mirabai Chanu settled for a silver medal in the women's 49kg division at the World Weightlifting Championships 2022 in Bogota, Colombia.

Question 91 :

Which of the following states became the first Indian State to Enact 'Right to Health Act 2022'?

Difficulty : Moderate

Average Time : 40 Seconds



Options :

1. Punjab
2. Rajasthan
3. Haryana
4. Madhya Pradesh

Solution :

The correct answer is **option 2** i.e. **Rajasthan**.

- On March 21, 2023, Rajasthan became the first state in the country to pass an Act implementing the right to health, titled "Rajasthan Right to Health Act, 2022".
- This is the realisation of a long standing demand of civil society groups and can be considered a landmark initiative by any state government towards guaranteeing "health for all".

Question 92 :

The village and Small Scale Industries Committee is also referred to as the _____.

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Mahalanobis Committee
2. Munshi Committee
3. Karve Committee
4. Chakravarty Committee

Solution :

The correct answer is **option 3** i.e. **Karve Committee**.

- The Village and Small Scale Industries Committee, often referred to as the Karve Committee, was established in 1955 under the chairmanship of D. G. Karve.
- It was tasked with examining the status and issues faced by village and small-scale industries in India and recommending measures for their development.

Question 93 :

Which of the following is a qualitative measure of credit control used by the Reserve Bank of India? A) CRR B) Moral suasion C) SLR

Difficulty : Moderate

Average Time : 49 Seconds

**Options :**

1. Only A
2. Only B
3. Only B and C
4. Only C

Solution :

The correct answer is **option 2** i.e. **Only B**.

Among the options provided, "Moral suasion" is a qualitative measure of credit control used by the Reserve Bank of India (RBI). It refers to the persuasive influence exerted by the RBI on banks and financial institutions to adhere to certain credit policies without using any formal regulations or direct controls.

Question 94 :

What is the crude birth rate of India as per Census 2011?

Difficulty : Moderate**Average Time : 46 Seconds****Options :**

1. 20.5%
2. 20%
3. 21.8%
4. 28%

Solution :

The correct answer is **option 3** i.e. **21.8%**.

- According to the Census 2011 data, the crude birth rate (CBR) of India was approximately 21.8 births per 1000 population.
- The Crude Birth Rate(CBR) at the National level during 2011 stands at 21.8 exhibiting a decline of 0.3 points over 2010.

Question 95 :

NABARD launched a special pilot project in 2004-05 called _____ mainly to fulfill the credit needs of the small and marginal farmers and tenant farmers.

Difficulty : Moderate**Average Time : 43 Seconds****Options :**

JLGs

2. MEDP
3. SGSY
4. BLP programme

Solution :

The correct answer is **option 1 i.e. JLGs.**

NABARD launched a special pilot project in 2004-05 called "Joint Liability Groups (JLGs)" mainly to fulfill the credit needs of the small and marginal farmers and tenant farmers.

Question 96 :

Rajarajeshwara Temple of Tanjore was built by the ruler of which dynasty?

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. Pandya
2. Pallava
3. Chola
4. Chera

Solution :

The correct answer is **option 3 i.e. Chola.**

- The Rajarajeshwara Temple of Tanjore, also known as the Brihadeeswarar Temple, was built by the ruler of the Chola dynasty.
- It was constructed by King Rajaraja I (reigned from 985–1014 AD) in the 11th century CE and is a UNESCO World Heritage Site renowned for its architectural grandeur and cultural significance.

Question 97 :

Under the Mahatma Gandhi National Rural Employment Guarantee Act, how many minimum days of guaranteed wage Employment in every financial year has to be provided to every household whose adult members volunteer to do unskilled manual work?

Difficulty : Moderate

Average Time : 51 Seconds

Options :



90

2. 120

3. 150

4. 100

Solution :

The correct answer is **option 4 i.e. 100.**

- Under the Mahatma Gandhi National Rural Employment Guarantee Act (MGNREGA), every rural household whose adult members volunteer to do unskilled manual work is entitled to a minimum of 100 days of guaranteed wage employment in every financial year.
- This provision aims to ensure livelihood security and promote inclusive growth in rural areas by providing employment opportunities.

Question 98 :

Manju Bargavee won the Sangeet Natak Akademi Award of 2019 for which dance form?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Mohiniattam
2. Chhau
3. Kathak
4. Kuchipudi

Solution :

The correct answer is **option 4 i.e. Kuchipudi.**

- Manju Bargavee won the Sangeet Natak Akademi Award in 2019 for her proficiency in the Indian classical dance form of Kuchipudi.
- Sangeet Natak Akademi (SNA) is the national level academy for performing arts set up by the Government of India.

Question 99 :

Sal, acacia and bamboo, which are types of Dry Tropical Forest, receive what amount of annual rainfall?

Difficulty : Moderate

Average Time : 43 Seconds

Options :



From 51 cm to 151 cm

2. Between 200 and 250 cm
3. 251 cm or more
4. Below 25 cm

Solution :

The correct answer is **option 1** i.e. **From 51 cm to 151 cm.**

- Sal, acacia, and bamboo, characteristic of Dry Tropical Forests, typically receive annual rainfall ranging from 51 centimeters to 151 centimeters (20 to 59 inches).
- This level of precipitation sustains the unique flora and fauna adapted to the seasonal patterns of rainfall in these ecosystems.

Question 100 :

Which of the following ministries of the Government of India has under it the Council of Scientific & Industrial Research (CSIR)?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Ministry of Commerce and Industry
2. Ministry of Earth Sciences
3. Ministry of Science and Technology
4. Ministry of Education

Solution :

The correct answer is **option 3** i.e. **Ministry of Science and Technology.**

- In the Government of India, the Council of Scientific & Industrial Research (CSIR) falls under the purview of the Ministry of Science and Technology.
- This ministry is responsible for formulating and implementing policies and programs related to scientific research and technological development in the country.
- CSIR, as a premier research organization, plays a crucial role in advancing scientific knowledge and fostering industrial growth across various sectors.

Ssc Chsl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Chsl Tier I Previous Year Question Paper held on 2023-10-27 in the Morning Shift exam is as follows:

1. 100 questions were moderate.
2. The safe score is 141 marks.
3. , 25 questions were asked from English Language, 25 questions were asked from Logical Reasoning, 25 questions were asked from Quantitative Aptitude and 25 questions were asked from General Awareness
4. 26 questions should have been skipped if you were short of time.

Ssc Chsl Tier I Previous Year Question Paper Topic Wise Weightage

English Language

1. Cloze Test - 5
2. Sentence Jumbles - 3
3. Idioms - 2
4. One Word Substitution - 1
5. Spellings - 1
6. Voice - 2
7. Parts Of Speech - 1
8. Sentence Improvement - 3
9. Synonym - 2
10. Antonym - 3
11. Filler (Vocab) - 1
12. Correctly Spelt - 1

Logical Reasoning

1. Coding Decoding - 2
2. Series - 23

Quantitative Aptitude

1. Average - 1

- Percentage - 1
- 3. Data Interpretation - 3
- 4. Interest - 2
- 5. Geometry - 4
- 6. Trigonometry - 3
- 7. Mensuration - 1
- 8. Algebra - 3
- 9. Number System - 1
- 10. Partnership - 1
- 11. Profit And Loss - 4

General Awareness

- 1. NDA GK - 25

Ssc Chsl Tier I Previous Year Question Paper Tips and Tricks



1. Try to solve Ssc Chsl Tier I Previous Year Question Paper without taking any help from the solutions.
2. Ssc Chsl Tier I Previous Year Question Paper require proper usage of concept so firstly read the question thoroughly and then use the right concept.
3. In case you're not able to solve the question in less than 30 seconds in the exam then you should skip the question and move to the next question.

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