# 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 :**
Identify the error in the use of preposition in the given sentence and select the correct option. Radhika is not capable on participating in a national level competition.

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

**Options :**

1. about

2. of

3. on

4. at

**Solution :**
The correct answer is **option 2** i.e. **of.**

- The error in the given sentence is the incorrect use of the preposition "**on**."
- The correct preposition to use in this context is "**of**."
- The word "**capable**" is followed by the preposition "**of**" when expressing the ability or capacity to do something.
- The correct construction is "**capable of (verb-ing)**" to convey someone's ability or capability in performing a particular action.
- The **correct sentence should be**: *Radhika is not capable of participating in a national level competition.*
- The other option means:
  - "**About**" is often used to indicate a general subject, topic, or the content of a discussion or conversation.

"**On**" is used to indicate various relationships, such as time, location, or topics.

○ "**At**" is often used to indicate a specific point in time, a location, or a particular moment.

## Question 2 :

Select the meaningful and correctly spelt word from the given options to fill in the blank. The chief guest is _____ to arrive at the venue within half an hour

**Difficulty : Moderate**                                              **Average Time : 85 Seconds**

**Options :**

1. accepted

2. expieted

3. expected

4. espected

## Solution :

The correct answer iso**ption 3** i.e. **expected.**

- **Expected** means anticipated or predicted to happen.
- In the given sentence, the word "**expected**" is the appropriate choice because it fits the context of **anticipation or prediction**.
- The sentence conveys the idea that the chief guest is anticipated or predicted to arrive.
- Additionally, "**expected**" is the **correctly spelt** word in this context.

## Question 3 :

Select the most appropriate option that can substitute the underlined segment in the given sentence. Peter was brought in the penalty area.

**Difficulty : Moderate**                                              **Average Time : 54 Seconds**

**Options :**

1. was brought down of the

2. was brought of the

3. was brought on the

4. was brought down in the

## Solution :

The correct answer is **option 4** i.e. **was brought down in the.**

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The original sentence uses the phrase "**was brought in the**," which doesn't convey a clear and commonly used expression related to sports events.

- The substitution "**was brought down in the**" provides a more accurate and common expression when describing a player's action in a soccer or football context.
- When a player is fouled or tackled by an opponent in the penalty area, it is often referred to as being "**brought down**."
- This usage is consistent with the terminology used in sports commentary and reporting.
- **Substituted sentence**: *Peter was brought down in the penalty area.*
- In this sentence, if Peter was brought down in the penalty area, it implies that an opposing player tackled or fouled him within the penalty area, and as a result, Peter fell to the ground.

**Question 4 :**

Select the most appropriate ANTONYM of the given word. Sumptuous

**Difficulty : Moderate**                                      **Average Time : 77 Seconds**

**Options :**

1. Unremitting

2. Lucrative

3. Inexpensive

4. Delectable

**Solution :**

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

- **Sumptuous** means luxurious or splendid.
- Marked option **Inexpensive** means low in cost or affordable.
- Hence, it is clear that 'Inexpensive' is the most appropriate antonym for 'Sumptuous'.
- The other option means:
  - **Unremitting** means continuous or constant, often used to describe something that doesn't stop or relent.
  - **Lucrative** means producing a significant amount of profit or money.
  - **Delectable** means highly enjoyable, especially in terms of taste or pleasure.

**Question 5 :**

Select the option that expresses the given sentence in passive voice. They cancelled the meeting due to bad weather.

**Difficulty : Moderate**                                      **Average Time : 60 Seconds**

**Options :**

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The meeting is cancelled by them because of bad weather.

2. The meeting was cancelled due to bad weather.

3. They cancelled the meeting and bad weather was the cause.

4. The bad weather is the reason they cancelled the meeting.

**Solution :**

The correct answer is **option 2** i.e. **The meeting was cancelled due to bad weather.**

- In an active voice sentence, **the subject performs the action**.
- **Active Voice Structure**: Subject + Verb + Object
- In a passive voice sentence, **the subject receives the action**.
- **Passive Voice Structure**: Object + Be verb + V3 + Subject
- So, here in the passive voice, the subject "**They**" from the active voice can be included using "**by them**" in the passive voice.
- The passive construction shifts the focus from the doer (**They**) to the action (**cancelling the meeting**).

**Question 6 :**

Select the option that expresses the given sentence in active voice. The work will be finished by the mason within a short time.

**Difficulty : Moderate**                                    **Average Time : 74 Seconds**

**Options :**

1. The mason will be finishing the work within a short time.

2. The mason would have finish the work within a short time.

3. The mason would finish the work within a short time.

4. The mason will finish the work within a short time.

**Solution :**

The correct answer is **option 4** i.e. **The mason will finish the work within a short time.**

- In a passive voice sentence, **the subject receives the action**.
- **Passive Voice Structure**: Object + Be verb + V3 + Subject
- In an active voice sentence, **the subject performs the action**.
- **Active Voice Structure**: Subject + Verb + Object
- So, here the active voice starts with the doer of the action (**The mason**), followed by the main verb in its active form (**will finish**), ends with the object (**the work**) and then maintains the **time modifier**.

In the active voice transformation, **the focus shifts from the work being the main subject to the mason as the doer of the action**, providing a more direct and clear expression of the sentence.

**Question 7 :**

Select the most appropriate meaning of the given idiom. Memory like sieve

**Difficulty : Moderate**                                        **Average Time : 82 Seconds**

**Options :**

1. Being healthy

2. Poor memory

3. Feeling ill

4. Remembering everything

**Solution :**

The correct answer is **option 2** i.e. **Poor memory.**

- The idiom "**Memory like sieve**" means having a poor or unreliable memory, often forgetting things easily.

**Question 8 :**

Select the most appropriate option that can substitute the underlined words in the following sentence. He will be looking as if he has not slept.

**Difficulty : Moderate**                                        **Average Time : 42 Seconds**

**Options :**

1. He looks

2. He has look

3. He was looking

4. He will be look

**Solution :**

The correct answer is **option 1** i.e. **He looks.**

- The original sentence is in the future continuous tense ("**will be looking**"). This tense suggests an ongoing action in the future.
- However, the key here is the use of "**as if,**" which introduces **a hypothetical or unreal condition**.
- When expressing hypothetical or unreal conditions, English often uses **the simple present tense to convey a**

**general truth or a habitual action**.

- In this context, the use of "**He looks**" suggests an ongoing state that is habitual or characteristic of the person, creating a more natural and idiomatic expression.
- Therefore, "**He looks**" is the most appropriate option, as it aligns with the sense of an ongoing condition suggested by the original sentence, considering the hypothetical nature introduced by "**as if**."

**Question 9 :**

Identity the correct spelling of the underlined word. Medical termnalogy is difficult to understand.

| | |
|---|---|
| **Difficulty : Moderate** | **Average Time : 74 Seconds** |

**Options :**

1. tarmnalogy
2. tarminology
3. terminology
4. terminiology

**Solution :**

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

- The correct spelling of the underlined word is "**terminology**."
- The **corrected sentence** should be: "*Medical terminology is difficult to understand.*"
- "**Terminology**" refers to the specialized language or vocabulary used in a particular field in this case, the medical field.

**Question 10 :**

Select the option that can be used as a one-word substitute for the given group of words. A person who loves and collects books

| | |
|---|---|
| **Difficulty : Moderate** | **Average Time : 50 Seconds** |

**Options :**

1. Bibliophile
2. Philanthropist
3. Geologist
4. Sommelier

**Solution :**

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

- A **bibliophile** is someone who has a great love for books, often collecting them as a hobby.
- The term "**bibliophile**" is derived from two Greek words, "**biblion**" (meaning book) and "**philos**" (meaning loving or fond of).
- So, the one-word substitute for the given group of words "**A person who loves and collects books**" is "**Bibliophile .**"
- The other option means:
    - **Philanthropist:** Someone who engages in acts of kindness and generosity, especially through charitable donations or activities.
    - **Geologist:** A scientist who studies the Earth's structure, composition, and processes, including rocks, minerals, and natural formations.
    - **Sommelier:** A waiter in a restaurant who is in charge of wines and their service.

**Question 11 :**

Select the most appropriate ANTONYM of the given word. Amateur

**Difficulty : Moderate**                                                                 **Average Time : 72 Seconds**

**Options :**

1. Hobbyist

2. Devotee

3. Layman

4. Professional

**Solution :**

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

- **Amateur** means someone who engages in an activity for the love or enjoyment of it, lacking professional expertise or formal training.
- Marked option **Professional** means someone who is engaged in a particular activity as a paid occupation, typically having formal training, qualifications, or expertise.
- Hence, the most appropriate antonym for 'amateur' is 'professional'.
- The other option means:
    - **Hobbyist:** Someone who pursues a particular hobby or interest for enjoyment and recreation rather than as a profession.
    - **Devotee:** A person who is deeply committed and enthusiastic about a particular activity, interest, or cause.
    - **Layman:** An individual who lacks specialized knowledge or professional training in a particular field and approaches it from a non-expert perspective.

**Question 12 :**

Select the most appropriate idiom for the underlined words in the given sentence. The candidate blamed the persistent traffic jam as reason of his being late and the interviewer believed him though he was not convinced.

**Difficulty : Moderate**                                   **Average Time : 75 Seconds**

**Options :**

1. gave the benefit of doubt

2. changed his tune

3. thought err is human and to forgive is divine

4. did not judge the book by its cover

**Solution :**

The correct answer is **option 1** i.e. **gave the benefit of doubt.**

- The idiom "**gave the benefit of doubt**" means to accept someone's statement or explanation as true, even though there may be some doubt or uncertainty about its accuracy.
- It involves trusting or believing in someone's innocence or good intentions when there is ambiguity or lack of clear evidence.
- The other option means:
  - **Changed his tune:** To alter one's opinion, attitude, or behaviour, often in response to a new situation or information.
  - **Thought err is human and to forgive is divine:** Recognizing that people make mistakes (to err is human) and choosing to forgive them is an act of great compassion and understanding (to forgive is divine).
  - **Did not judge the book by its cover:** Refrained from forming an opinion about someone or something based solely on its outward appearance, recognizing the importance of looking beyond surface impressions.

**Question 13 :**

Select the most appropriate synonym of the underlined word. Caves like Ajanta lie in perpetual darkness.

**Difficulty : Moderate**                                   **Average Time : 83 Seconds**

**Options :**

1. Permanent

2. Extreme

3. Brief

4. Huge

**Solution :**

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

- **Perpetual** means continuing indefinitely, never-ending, or occurring repeatedly over time.
- Marked option **Permanent** means lasting or intended to last indefinitely, not temporary.
- The other option means:
  - **Extreme:** Reaching a high degree, far beyond the ordinary or average.
  - **Brief:** Lasting for a short duration, concise in time or length.
  - **Huge:** Extremely large in size or amount.

**Question 14 :**

Select the most appropriate ANTONYM of the given word. Comply

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

**Options :**

1. Deny

2. Engage

3. Assist

4. Expect

**Solution :**

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

- **Comply** means to act in accordance with a request, command, or rule; to conform or adhere.
- Marked option **Deny** means to assert that something is not true, to refuse to admit or acknowledge.
- Hence, the most appropriate antonym for 'comply' is 'deny'.
- The other option means:
  - **Engage:** To actively participate or become involved in an activity, conversation, or relationship.
  - **Assist:** To provide help or support, to aid or contribute to the accomplishment of a task or goal.
  - **Expect:** To anticipate or look forward to the occurrence of something, to consider something likely to happen.

**Question 15 :**

The following sentence has been divided into four parts. One of them contains an error. Select the part that contains the error from the given options. The earth / revolves / around / a sun.

**Difficulty : Moderate**                                    **Average Time : 69 Seconds**

**Options :**

    a sun

2. revolves

3. The earth

4. around

**Solution :**

The correct answer is **option 3** i.e. **a sun.**

- The error is in the use of the article "**a**" before "earth."
- Indefinite article '**A**' is used when referring to a non-specific item or an item for the first time.
- Definite Article "**the**" is used when referring to a specific item that has already been mentioned or is known to both the speaker and the listener.
- When referring to "**sun**" should be preceded by the definite article "**the**" rather than the indefinite article "**a**."
- The definite article "**the**" is used to specify a particular item, in this case, **the Sun.**
- The correct statement will be '*the earth revolves around the sun.*'

**Question 16 :**

Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence. (A) between the two countries (B) will inevitably count (C) the recent political incident (D) against the peace process

**Difficulty : Moderate**                    **Average Time : 79 Seconds**

**Options :**

1. CDBA

2. CDAB

3. CBAD

4. CABD

**Solution :**

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

- **Part C**: This part introduces the main subject of the sentence, setting the stage for what will be discussed.
- **Part A**: Provides additional information about the incident, specifying the context and location of the political incident.
- **Part B**: Introduces the verb phrase, indicating that something (presumably negative) will inevitably have an impact.
- **Part D**: Completes the sentence by specifying the nature of the impact, stating that the incident will count against

the peace process.

- This order ensures a logical flow, providing a clear and meaningful sentence about a political incident and its impact on the peace process between two countries.

**Question 17 :**

Parts of a sentence are given below in jumbled order. Arrange the parts in the correct order to form a meaningful sentence. A. or brave man to make B. money the chief object of his thoughts C. for a well-educated, intellectual D. it is physically impossible

**Difficulty : Moderate**                                    **Average Time : 72 Seconds**

**Options :**

1. ABCD

2. DCAB

3. CDAB

4. CABD

**Solution :**

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

- **Part D:** This phrase sets the stage for the sentence, establishing a condition or limitation.
- **Part C:** Introduces the type of person being discussed, providing additional information about their background or characteristics.
- **Part A:** Connects with the previous part and introduces a contrast or alternative, emphasizing the characteristics required.
- **Part B:** Completes the sentence by stating the consequence or result of the conditions and characteristics mentioned earlier.
- This sequence ensures a logical flow, providing a meaningful sentence that discusses the impossibility for a person with intellectual qualities to prioritize money as the chief object of their thoughts unless they are a brave individual willing to make an alternative choice.

**Question 18 :**

Select the most appropriate option that can substitute the underlined segment in the given sentence. Mahesh's attitude annoyed me and I blew into.

**Difficulty : Moderate**                                    **Average Time : 69 Seconds**

**Options :**

1. annoyed me and I blew over

annoyed me and I blew off

3. annoyed me and I blew down of

4. annoyed me and I blew up

**Solution :**

The correct answer is **option 4** i.e. **annoyed me and I blew up.**

- "**Blew into**" - This expression is not a standard or idiomatic way of conveying a strong reaction. It doesn't effectively communicate the idea of reacting with intensity or anger.
- "**Blew up**" - This is an idiomatic expression meaning to react with sudden anger, frustration, or explosive emotion.
- In this given context, "**blew up**" conveys a more natural and commonly used expression for reacting strongly to Mahesh's attitude, making the corrected option more appropriate.
- **Corrected sentence**: *Mahesh's attitude annoyed me, and I blew up.*

**Question 19 :**
Select the most appropriate homophone to fill in the blank. The dog took a _____ during his walk and lifted his _____ to indicate that he was tired.

**Difficulty : Moderate**                                                    **Average Time : 71 Seconds**

**Options :**

1. pause; pours

2. pours; pores

3. paws; pause

4. pause; paws

**Solution :**

The correct answer is **option 4** i.e. **pause; paws.**

- **Homophones** are words that sound the same but have different meanings and often different spellings.
- In the first context, "**pause**" is used to describe a momentary stop or break in the dog's activity.
- It implies that **the dog briefly halted or interrupted its walk**, possibly to rest or take a break.
- In the second part, "**paws**" refers to the dog's feet.
- The sentence suggests that **the dog lifted its paws as a sign of fatigue or weariness**, indicating that it needed a break or rest from walking.
- This sentence cleverly uses the homophones "**pause**" and "**paws**" to create a playful and meaningful expression, describing a moment of rest for the dog during its walk.

**Comprehension :**

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In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. I have few deliberations for you. Don't leave your hard work to ____1____. If you have gone to the effort to complete a dialogue, ____2____ fritter away all the meaning you created by trusting your memories. Write down the ____3____ of conclusions, decisions and assignments. Remember to record ____4____ does what by when. Revisit your notes at key times and ____5____ assignments.

**Question 20 :**
Select the most appropriate option to fill in blank 1.

**Difficulty : Moderate**                    **Average Time : 95 Seconds**

**Options :**

1. diary

2. notes

3. memory

4. someone

**Solution :**

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

- From the context of the passage we understand that, deliberations are essentially careful considerations or reflections on a particular subject or issue. When you have deliberations, it means you're engaging in thoughtful analysis or discussion, weighing different factors or perspectives before making a decision or drawing a conclusion.
- As for not leaving your hard work to **memory**, it's a reminder to document or record your thoughts, decisions, and actions rather than relying solely on memory. This could involve keeping notes, creating reports, or using tools like calendars or task managers to organize your work and keep track of important details. By documenting your deliberations and decisions, you have a reference point to revisit if needed, and it helps ensure that your efforts aren't lost or forgotten over time.
- Therefore, the correct answer is **memory**.

**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. I have few deliberations for you. Don't leave your hard work to ____1____. If you have gone to the effort to complete a dialogue, ____2____ fritter away all the meaning you created by trusting your memories. Write down the ____3____ of conclusions, decisions and assignments. Remember to record ____4____ does what by when. Revisit your notes at key times and ____5____ assignments.

**Question 21 :**
Select the most appropriate option to fill in blank 2.

**Difficulty : Moderate**

**Average Time : 93 Seconds**

**Options :**

1.  does not

2.  did not

3.  do not

4.  had not

**Solution :**

The correct answer is **option 3** i.e. **do not.**

- The phrase **"do not fritter away"** in blank 2 means **"don't waste."** So, the complete sentence would be advising against wasting the effort put into completing a dialogue by relying solely on memory.
- Instead, it suggests taking proactive steps to ensure that the meaning and content of the dialogue are preserved and not lost over time.

**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. I have few deliberations for you. Don't leave your hard work to ____1____. If you have gone to the effort to complete a dialogue, ____2____ fritter away all the meaning you created by trusting your memories. Write down the ____3____ of conclusions, decisions and assignments. Remember to record ____4____ does what by when. Revisit your notes at key times and ____5____ assignments.

**Question 22 :**

Select the most appropriate option to fill in blank 3.

**Difficulty : Moderate**

**Average Time : 73 Seconds**

**Options :**

1.  titles

2.  failures

3.  details

4.  short cuts

**Solution :**

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

- The word "**details**" in blank 3 refers to specific information or particulars related to conclusions, decisions, and

assignments. This implies that when documenting these aspects, it's important to include all relevant details to ensure clarity and accuracy.

- By recording the details, one can create a comprehensive record that can be referenced later if needed. This helps in maintaining clarity and ensuring that nothing important is overlooked or forgotten.

- The most appropriate option to fill in blank 3 is "**details**."

- So, the sentence would be: "Write down the **details** of conclusions, decisions and assignments."

**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. I have few deliberations for you. Don't leave your hard work to ____1____. If you have gone to the effort to complete a dialogue, ____2____ fritter away all the meaning you created by trusting your memories. Write down the ____3____ of conclusions, decisions and assignments. Remember to record ____4____ does what by when. Revisit your notes at key times and ____5____ assignments.

**Question 23 :**

Select the most appropriate option to fill in blank 4.

**Difficulty : Moderate**                                    **Average Time : 85 Seconds**

**Options :**

1. which

2. who

3. that

4. whom

**Solution :**

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

- In this context, "**who**" refers to the individuals responsible for carrying out specific tasks or assignments. By recording "who does what by when," you're essentially assigning roles and responsibilities, ensuring clarity about who is accountable for which tasks and when they are expected to be completed. This helps in effective task management and coordination within a team or project. Recording this information ensures that everyone involved understands their duties and deadlines, reducing confusion and enhancing productivity.

- The most appropriate option to fill in blank 4 is "**who**."

- So, the sentence would be: "Remember to record **who** does what by when."

**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. I have few deliberations for you. Don't leave your hard work to ____1____. If you have gone to the effort to complete a dialogue, ____2____ fritter away all the meaning you created by trusting your memories. Write down the ____3____ of conclusions, decisions and assignments. Remember to record ____4____ does what by when. Revisit your notes at key times and ____5____ assignments.

**Question 24 :**
Select the most appropriate option to fill in blank 5.

Difficulty : Moderate                     Average Time : 87 Seconds

**Options :**

1. obliterate

2. introspect

3. speculate

4. review

**Solution :**

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

- In this context, "**review**" suggests going over or examining the assignments that have been recorded in your notes. By revisiting your notes at key times and reviewing assignments, you ensure that you stay updated on the tasks that need to be completed. This allows you to assess progress, make any necessary adjustments, and ensure that everything is on track. Reviewing assignments regularly helps to maintain clarity, accountability, and effectiveness in managing tasks and projects.
- The most appropriate option to fill in blank 5 is "**review**."

- So, the sentence would be: "Revisit your notes at key times and **review** assignments."

**Question 25 :**
Select the most appropriate synonym of the word 'Pervasive' from the given sentence. The scientist's hypothesis was substantiated by extensive research and experimentation.

Difficulty : Moderate                     Average Time : 67 Seconds

**Options :**

1. Extensive

2. Substantiated

Experimentation

4. Hypothesis

**Solution :**

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

- **Pervasive** means widespread, prevalent, or existing everywhere, often to an extensive degree.
- Marked option **Extensive** means covering a large area, having a wide scope, or being comprehensive in extent.
- Hence, the most appropriate synonym for the word 'Pervasive' is 'Extensive'.
- The other option means:
    - **Substantiated:** Supported or proven by evidence or facts.
    - **Experimentation:** The process of conducting tests or trials to gather data and evidence.
    - **Hypothesis:** A proposed explanation for a phenomenon that can be tested through experimentation.

**Question 26 :**

Mohan purchased trousers for â,¹ 765, after a discount of 15% was offered on its marked price. What is the marked price (in â,¹) of the trousers?

**Difficulty : Moderate**                                                                 **Average Time : 63 Seconds**

**Options :**

1. 885

2. 855

3. 900

4. 870

**Solution :**

The correct answer is **option 3** i.e **900**.

Given that

The cost of a trouser =  â,¹ 765

A discount of 15% on marked price

Formula used

M.P. = S.P. × 100/(100 - Discount%)

According to the question

M.P. = 765 × 100/(100 - 15) = 765 × 100/85 = ₹ 900

**Question 27 :**

In April 2019, Dinesh purchased a new car for ₹ 7,00,000 and sold it in April 2022 at its depreciated cost. If the rate of depreciation in the first year is 20%, 15% in the second year and 10% every year thereafter, what amount of money will Dinesh get as the selling price?

**Difficulty : Moderate**                                    **Average Time : 52 Seconds**

**Options :**

1.  ₹ 4,28,400

2.  ₹ 4,28,600

3.  ₹ 4,68,400

4.  ₹ 5,28,400

**Solution :**

The correct answer is **option 1** i.e ₹ **4,28,400**.

Given that

In April 2019, the cost price of a car = ₹ 7,00,000.

The rate of depreciation in the first year is 20%, 15% in the second year and 10% every year thereafter.

According to the question

In April 2022,

The depreciation cost of selling = ₹ 7,00,000 × 80/100 × 85/100 × 90/100

= ₹ 4,28,400

**Question 28 :**

In a vitlage election between three candidates, 80% of the voters cast their votes, out of which 3% votes were declared invalid. The winning candidate got 42,680 votes, which were 55% of the total valid votes. Find the number of valid votes received by the candidate who stood third, given that he received only 10% of the total valid votes.

**Difficulty : Moderate**                                    **Average Time : 57 Seconds**

**Options :**

1.  7760

7700

3. 7670

4. 7680

**Solution :**

The correct answer is **option 1** i.e â,¹ **7760**.

Given that

80% of the voters cast their votes

3% votes were declared invalid

Winning candidates votes = 42680 = 55% of the total valid votes

Third candidates votes = 10% of the total valid votes

Let the total number of votes be 1000 units

According to the question

The voters cast their votes = 1000 × 80/100 = 800 units

The voters have valid votes = 800 × 97/100 = 776 units

So, 55% of the total valid votes = 42680

776 × 55/100 = 42680

1 unit = 100 votes

Total valid votes = 776 × 100 = 77600

Hence, Third person have votes = 77600 × 10/100 = 7760

**Question 29 :**
If (sqrt rac a b= rac 8 3+ sqrtrac b a and (a + b) = 30) , then what is the value of ab?

**Difficulty : Moderate**

**Average Time : 61 Seconds**

**Options :**

1. 64

2. 28

3. 81

36

**Solution :**

The correct answer is **option 3** i.e **81**.

Given that

$\sqrt{\frac{a}{b}} = \frac{8}{3} + \sqrt{\frac{b}{a}}$ and $(a + b) = 30$

Calculation

$\sqrt{\frac{a}{b}} - \sqrt{\frac{b}{a}} = \frac{8}{3}$

Squaring both sides

$\frac{a}{b} + \frac{b}{a} - 2(\frac{a}{b})(\frac{b}{a}) = \frac{64}{9}$

$\frac{a^2+b^2}{ab}$ = 64/9 + 2 = 82/9

Now, a + b = 30

Squaring both sides

$a^2$ + 2ab + $b^2$ = 900

82ab/9 + 2ab = 900

100ab = 8100

ab = 81

**Question 30 :**

A train starts from a station P for another station Q at 6 p.m. at an average speed of 75 km per hour. Another train starts from station Q for station P at 8 p.m. at an average speed of 105 km per hour. If the distance between these two stations is 690 km. then at what time will the two trains meet?

**Difficulty : Moderate**                    **Average Time : 73 Seconds**

**Options :**

1. 10:30 p.m.

2. 10 p.m.

3. 11 p.m.

4. 11:30 p.m.

**Solution :**

The correct answer is**option 3** i.e **11 p.m.**

Given that

Train 1 : Start from station P at 6 p.m. with a speed of 75 km/h

Train 2 : Start from station Q at 8 p.m. with a speed of 105 km/h

Distance between P and Q = 690 km

Formula used

Distance = Speed × Time

According to the question

In 2 hours, Train 1 travels distance = 75 × 2 = 150 km

Remaining distance = 690 - 150 = 540 km

The relative speed = 105 + 75 = 180 km/h

Hence, The meeting time = 540/180 = 3 hours

= 8 p.m. + 3 hours = 11 p.m.

**Question 31 :**
The data given in the following table shows the number of boys and girls enrolled for different games in an academy over 5 years. Years Basketball Football Cricket  Boys Girls Boys Girls Boys  Girls 2018 46 34 42 37 45 35 2019 40 41 44 34 42 32 2020 43 40 40 32 38 36 2021 37 44 43 25 34 28 2022 34 41 41 32 41 39 In which year did the academy have the highest enrollment?

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

**Options :**
   1. 2019

   2. 2022

   3. 2020

   4. 2018

**Solution :**

The correct answer is **option 4** i.e **2018**.

Given that

Total enrollment in the academy in year 2019 = 40 + 41 + 44 + 34 + 42 + 32 = 233

Total enrollment in the academy in year 2022 = 34 + 41 + 41 + 32 + 41 + 39 = 228

Total enrollment in the academy in year 2020 = 43 + 40 + 40 + 32 + 38 + 36 = 229

Total enrollment in the academy in year 2018 = 46 + 34 + 42 + 37 + 45 + 35 = 239

Hence, the academy have the highest enrollment in year 2018

**Question 32 :**

The perimeter of a parallelogram is 48 cm. If the height of the parallelogram is 6 cm and the length of the adjacent side is 8 cm. find its area.

**Difficulty : Moderate**                    **Average Time : 52 Seconds**

**Options :**

1. $90 \text{ cm}^2$
2. $80 \text{ cm}^2$
3. $84 \text{ cm}^2$
4. $96 \text{ cm}^2$

**Solution :**

The correct answer is **option 4** i.e **$96 \text{ cm}^2$**.

Given that

The perimeter of a parallelogram is 48 cm.

The height of the parallelogram is 6 cm and the length of the adjacent side is 8 cm

Formula used

Area of a parallelogram = Base × Height

Perimeter of a parallelogram = 2 (adjacent side + base)

Calculation

Perimeter = 2 (8 + Base) = 48

Base = 24 - 8 = 16 cm

Hence, Area of the parallelogram = $16 × 6 = 96 \text{ cm}^2$

**Question 33 :**

Ali, Avtar Singh and Ashok working together can finish a work in 8 days. Ali alone can do it in 20 days and Avtar Singh alone can do it in 24 days. In how many days can Ashok alone do the same work?

**Difficulty : Moderate**

**Average Time : 62 Seconds**

**Options :**

1. 30
2. 28
3. 26
4. 25

**Solution :**

The correct answer is **option 1** i.e **30**.

Given that

Ali alone can do it in 20 days

Avtar Singh alone can do it in 24 days

Ali, Avtar Singh and Ashok working together can finish a work in 8 days

Total work = LCM (20, 24, 8) = 120

The efficiency of Ali = 120/20 = 6

The efficiency of Avtar = 120/24 = 5

The combined efficiency of all = 120/8 = 15

So. the efficiency of Ashok = 15 - (6 + 5) = 15 - 11= 4

Hence, the work is completed by Ashok alone in = 120/4 = 30 days

**Question 34 :**
If $\left(\frac{\cos \theta}{(1+ \sin \theta)} + \frac{\cos \theta}{(1- \sin \theta)}\right) = 4$ and is acute, then the value if is:

**Difficulty : Moderate**

**Average Time : 55 Seconds**

**Options :**

1. $60^0$
2. $15^0$

45⁰

4. 30⁰

**Solution :**

The correct answer is **option 1** i.e **60⁰**.

Given that

If $\frac{\cos \theta}{(1+ \sin \theta)} + \frac{\cos \theta}{(1- \sin \theta)} = 4$

$\frac{\cos \theta (1- \sin \theta)+\cos \theta (1+ \sin \theta)}{(1+ \sin \theta)(1- \sin \theta)} = 4$

$\frac{(\cos \theta - \cos \theta \sin \theta +\cos \theta + \cos \theta \sin \theta)}{(1- \sin^2 \theta)} = 4$

$\frac{2\cos \theta}{\cos^2 \theta} = 4$

$\frac{2}{\cos\theta} = 4$

$\cos\theta = 1/2 = \cos 60⁰$

$\theta = 60⁰$

**Question 35 :**
Solve $((1+ \frac{5}{6} +\frac{7}{8} + \frac{11}{12}) \div (\frac{3}{4} -\frac{5}{8}))$.

**Difficulty : Moderate**                    **Average Time : 57 Seconds**

**Options :**

1. 29

2. 39

3. 19

4. 49

**Solution :**

The correct answer is **option 1** i.e **29**.

Given that

$(1+ \frac{5}{6} +\frac{7}{8} + \frac{11}{12}) \div (\frac{3}{4} -\frac{5}{8})$

$( \frac{24 + 20 + 21 + 22}{24} ) \div (\frac{6 - 5}{8} )$.

$\frac{87}{24}\div\frac{1}{8}$

$\frac{87}{24}\times 8$

87/3

29

## Question 36 :

Catch Cola 300 ML with MRP Rs 20 is displayed in a Hyper Market with an Offer 'BUY 2 GET 1 FREE'. With this offer, the Hyper Market is giving what per cent discount?

**Difficulty : Moderate**                    **Average Time : 50 Seconds**

**Options :**

1. 50%

2. 33.33%

3. 20%

4. 40%

**Solution :**

The correct answer is **option 2** i.e **33.33%**.

Given that

MRP of Catch =  ₹20

Offer get = 'BUY 2 GET 1 FREE'

Formula used

M.P. = S.P. + Discount

Discount % = Discount/M.P. × 100

Calculation

Total MRP = 3x

so, the discount given = x

Hence, Discount % = x/3x × 100 = 100/3 = 33.33 %

## Question 37 :

Study the given pie-chart and answer the question that follows. Percentage-wise distribution of teachers in six different subjects ina school is given in the pie-chart. The total number of teachers is 600. The ratio of male to female teachers is 3 :

1. What is the total number of male teachers in the school?

**Difficulty : Moderate**                                **Average Time : 56 Seconds**

**Options :**

1. 500

2. 420

3. 450

4. 400

**Solution :**

The correct answer is **option 3** i.e **450**.

Given that

The total number of teachers is 600

The ratio of male to female teachers is 3 : 1

Hence,

The total number of male teachers in the school = 600 × 3/4 = 450

**Question 38 :**
If $\sin\theta + \cos\theta = \frac{2}{\sqrt3}$, then what is $(\tan\theta + \cot\theta)$ equal to?

**Difficulty : Moderate**                                **Average Time : 41 Seconds**

**Options :**

1. 1

2. 2

3. 6

4. 0

**Solution :**

The correct answer is **option 3** i.e **6**.

Given that

If $\sin\theta + \cos\theta = \frac{2}{\sqrt3}$,

Square both sides

$\sin^2 + \cos^2 + 2\sin\cos = \frac{4}{3}$

$1 + 2\sin\cos = \frac{4}{3}$

$2\sin\cos = (4/3) - 1 = 1/3$

$\sin\cos = 1/6$

Hence, the value of tan + cot

$\sin/\cos + \cos/\sin$

$(\sin^2 + \cos^2)/\sin\cos$

1/(1/6)

6

**Question 39 :**

A circle has a radius of 5 cm and the length of tangent drawn from a point X outside the circle is 12 cm. The distance of the point x from the centre of the circle is:

**Difficulty : Moderate**                                   **Average Time : 68 Seconds**

**Options :**

1. 12 cm

2. 11 cm

3. 10 cm

4. 13 cm

**Solution :**

The correct answer is **option 4** i.e **13 cm**.

Given that

A circle has a radius (OP = OT = 5 cm

The length of the tangent (XT) = 12 cm

According to the question
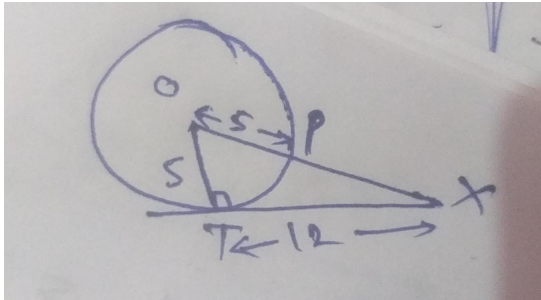
In triangle OXT, by pythagorus theorem

$OX^2 = XT^2 + OT^2$

$OX^2 = 12^2 + 5^2 = 144 + 25 = 169$

OX = 13 cm

**Question 40 :**
O is the centre of a circle, and A is a point on a major arc BC of the circle. BOC and BAC are the angles made by the minor arc BC on the centre and circumference, respectively. If ABO = 40° and ACO = 30°, then find BOC.

Difficulty : Moderate                                                                                              Average Time : 64 Seconds

**Options :**

1. 130⁰
2. 140⁰
3. 120⁰
4. 150⁰

**Solution :**
The correct answer is **option 2** i.e **140⁰**.

Given that

ABO = 40° and ACO = 30°,

Concept used

Angle subtended by an arc at center = 2 × the angle formed by the arc at circumference

According to the question
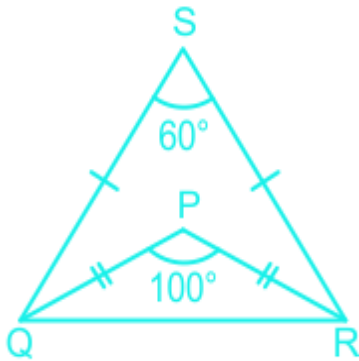
ABO = OAB = 40⁰ (opposite angles of equal sides are equal)

Similarly, ACO = OAC = 30°

So, BAC = 40⁰ + 30° = 70⁰

Hence, BOC = 2 × BAC = 2 × 70⁰ = 140⁰

**Question 41 :**
If a craftsman were to sell a table at â,¹ 1,300, he would lose 35%. To gain 30%, he would sell it for:

Difficulty : Moderate                                                                                                       Average Time : 62 Seconds

**Options :**

1. â,¹2,600

2. â,¹2,500

3. â,¹2,300

4. â,¹2,400

**Solution :**
The correct answer is **option 1** i.e **â,¹2,600**.

Given that

The Selling price of the table =  â,¹ 1,300

Lose = 35%

According to the question

65% = â,¹ 1300

130% = 1300 × 130/65 =  â,¹2600

Hence, the required selling price is â,¹2600

**Question 42 :**

The simple interest on a certain sum for 3 years at 8% per annum is â,¹ 9120 less than the simple interest on the same sum for 7 years at 8% per annum. Find the sum.

**Difficulty : Moderate**

**Average Time : 44 Seconds**

**Options :**

1. â,¹ 28500

2. â,¹ 28250

3. â,¹ 28750

4. â,¹ 28000

**Solution :**

The correct answer is **option 1** i.e **â,¹ 28500**.

Given that

S.I. at 8% per annum for 7 years - S.I. at 8% per annum for 3 years = 9120

Let a certain amount of sum be P

Formula used

S.I. = PRT/100

where, P is the sum, R = rate of interest, T = time

Calculation

P × 8 × 7/100 - P × 8 × 3/100 = 9120

32P = 912000

P = 912000/32

P = â,¹28500

**Question 43 :**

If 2x + 3y = 9, and xy = 3, what is 8x3 + 27y3?

**Difficulty : Moderate**

**Average Time : 52 Seconds**

**Options :**

235

2. 244

3. 243

4. 234

**Solution :**

The correct answer is **option 3** i.e **243.**

Given that

If 2x + 3y = 9, and xy = 3,

2x + 3y = 9

Cube both sides

$8x^3 + 27y^3 + 18xy\,(2x + 3y) = 729$

$8x^3 + 27y^3 + 18 \times 3 \times 9 = 729$

$8x^3 + 27y^3 = 729 - 486$

$8x^3 + 27y^3 = 243$

**Question 44 :**
Find the value of cos 0° + cos 30° - tan 45° + cosec 60° + cot 90°.

**Difficulty : Moderate**                    **Average Time : 51 Seconds**

**Options :**

1. $\frac{7}{6\sqrt3}$

2. $\frac{\sqrt3}{6}$

3. $\frac 7 6$

4. $\frac{7}{2\sqrt 3}$

**Solution :**

The correct answer is **option 4** i.e $\frac{7}{2\sqrt 3}$.

Given that

the value of cos 0° + cos 30° - tan 45° + cosec 60° + cot 90°.

cos 0° + cos 30° - tan 45° + cosec 60° + cot 90°

1 + 3/2 - 1 + 2/3 + 0

3/2 + 2/3

$\frac{7}{2\sqrt 3}$

**Question 45 :**

In an isosceles triangle. if the unequal side is 8 cm and equal side is 5 cm. then the area of the triangle is:

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

**Options :**
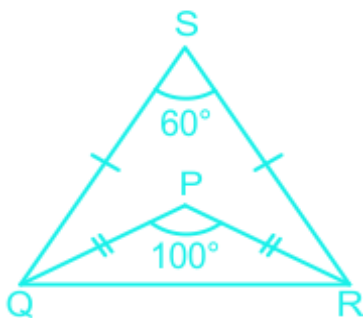
1. 12 cm$^2$

2. 25 cm$^2$

3. 6 cm$^2$

4. 11 cm$^2$

**Solution :**

The correct answer is **option 1** i.e **12 cm$^2$**.

Given that

In an isosceles triangle. if the unequal side is 8 cm and equal side is 5 cm,

In a triangle ABC, Equal sides AB = AC = 5 cm , unequal side BC = 8 cm

Let The height of the triangle be h



By pythagorus theroem

h = ((5)$^2$ - (8/2)$^2$) = (25 - 16) = 9 = 3 cm

Hence, the area of the isosceles triangle = ½ × Base × Height = ½ × BC × h = ½ × 8 × 3 = 12 cm$^2$

## Question 46 :

The average monthly salary of workers in a factory is ₹6,000. The average monthly salary of 100 technicians is ₹12,000, and the average monthly salary of non-technicians is ₹4,000. Find the total number of workers in the factory.

**Difficulty : Moderate**                                    **Average Time : 73 Seconds**

**Options :**

1.  400

2.  300

3.  250

4.  450

**Solution :**

The correct answer is **option 1** i.e **400**.

Given that

The average monthly salary of workers in a factory is ₹6,000

The average monthly salary of 100 technicians is ₹12,000

The average monthly salary of non-technicians is ₹4,000

Let the number of workers be P

According to the question

$6000 P = 12000 \times 100 + 4000 \times (P - 100)$

$6000 P - 4000 P = 1200000 - 400000 = 800000$

$2000 P = 800000$

$P = 400$

## Question 47 :

The data of production (in million) of three types of medicines by three different companies is given below.  Company Medicine P Q R A 1.125 2.220 2.100 B 2.225 1.175 2.500 C 1.550 1.750 1.950   Which is the following gives the minimum production of a medicine by any company

**Difficulty : Moderate**                                    **Average Time : 57 Seconds**

**Options :**

Medicine P, Company A

2. Medicine Q, Company C

3. Medicine P, Company C

4. Medicine Q, Company B

**Solution :**

The correct answer is **option 1** i.e **Medicine P, Company A**.

Given that

The minimum production of medicine P = 1.125 mn

This medicine comes under the company A

Hence, the required value is Medicine P, Company A

**Question 48 :**
â–³PQR and â–³SQR are both isosceles triangles on a common base QR such that P and S lie on the same side of QR. If QSR = 60° and QPR = 100°. then find SRP.

**Difficulty : Moderate**                              **Average Time : 50 Seconds**

**Options :**
1. 80⁰

2. 60⁰

3. 100⁰

4. 20⁰

**Solution :**

The correct answer is **option 4** i.e **20⁰**.

Given that

**â–³**PQR and **â–³**SQR are both isosceles triangles on a common base QR

P and S lie on the same side of QR
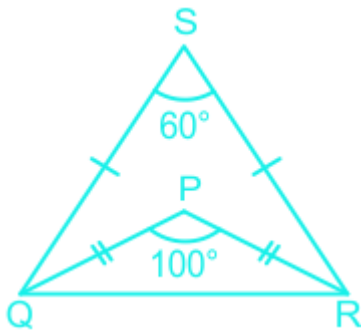
If QSR = 60° and QPR = 100°

According to the question

SQ = SR, SQR = SRQ = (180° - 60°)/2= 120°/2 = 60°

PQ = PR, PQR = PRQ = (180° - 100°)/2 = 80°/2 = 40°

Hence, SRP = SRQ - PRQ = 60° - 40° = 20°

**Question 49 :**
A sum of money is divided among A. B. C in the ratio 3 : 2 : 5, respectively. If the share of C is â‚¹300 more than B. then how much more money will A get than B?

**Difficulty : Moderate**                                **Average Time : 68 Seconds**

**Options :**

1. â‚¹150

2. â‚¹75

3. â‚¹100

4. â‚¹125

**Solution :**

The correct answer is **option 3** i.e **â‚¹100.**

Given that

A sum of money is divided among A. B. C in the ratio 3 : 2 : 5, respectively

If the share of C is â‚¹300 more than B

According to the question

 5x - 2x = 300

3x = 300

x = 300/3 = 100

Hence, A will get more money than B = 3x - 2x = x = â‚¹100

**Question 50 :**

Simplify the following expression. 0.01 + 0.68 ( imes) 0.68 + 0.22  ( imes)  0.22 + 0.044 + 0.136 + 0.44  ( imes) 0.68

**Difficulty : Moderate**                                   **Average Time : 47 Seconds**

**Options :**

1. 0.69

2. 1

3. 0.8

4. 0.9

**Solution :**

The correct answer is **option 2** i.e **1.**

Given that

0.01 + 0.68 \(\times\) 0.68 + 0.22  \(\times\)  0.22 + 0.044 + 0.136 + 0.44 \(\times\) 0.68

Formula used

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

0.01 + $0.68^2$ + $0.22^2$ + 2 \(\times\)0.22 \(\times\) 0.68 + 0.044 + 0.136

0.01 + $(0.68 + 0.22)^2$ + 0.044 + 0.136

0.01 + $0.90^2$ + 0.044 + 0.136

0.01 + 0.81+ 0.044 + 0.136

1

**Question 51 :**

Who gave the concept of 'money illusion' for the first time?

**Difficulty : Moderate**                                   **Average Time : 52 Seconds**

**Options :**

Robertson

2. Adam Smith

3. Irving Fisher

4. JM Keynes

**Solution :**

The correct answer is **option 3** i.e **Irving Fisher**.

- The concept of "money illusion" was first introduced by the economist Irving Fisher in the early 20th century. Fisher discussed the idea in his book "The Money Illusion," published in 1928.
- He described it as the tendency for people to mistakenly interpret nominal changes in wages or prices as real changes, without considering changes in purchasing power due to inflation or deflation.

**Question 52 :**

Which Spanish football team play their home games at the Bernabeu?

**Difficulty : Moderate**                                         **Average Time : 50 Seconds**

**Options :**

1. Real Madrid

2. Elche

3. Barcelona

4. Athletic Madrid

**Solution :**

The correct answer is **option 1** i.e **Real Madrid.**

- The Spanish football team that plays their home games at the Bernabéu Stadium is Real Madrid.
- It's one of the most iconic stadiums in the world and has been the home ground for Real Madrid since its completion in 1947.

**Question 53 :**

What is the rationale behind why one is ready to hold a ten rupee coin?

**Difficulty : Moderate**                                         **Average Time : 45 Seconds**

**Options :**

1. It is finely and artistically minted.

It can be melted to extract metal worth â,¹10 out of it.

3. Its value is backed by the issuing authority.

4. Its intrinsic value is greater than â,¹10.

**Solution :**
The correct answer is **option 3** i.e. **Its value is backed by the issuing authority.**

The rationale behind one being ready to hold a ten rupee coin lies in its value being backed by the issuing authority, typically the government or central bank. This backing provides assurance to individuals that the coin holds worth and can be exchanged for goods and services of equivalent value. As a result, people are willing to accept and hold the coin as a form of currency, facilitating transactions and serving as a medium of exchange within the economy.

**Question 54 :**
Which of the following cities was built by Humayun at Delhi?

Difficulty : Moderate                                                    Average Time : 61 Seconds

**Options :**
1. Akbarabad

2. Dinpanah

3. Muhammadabad

4. Siri

**Solution :**
The correct answer is **option 2** i.e **Dinpanah.**

- Humayun, the second Mughal emperor of India, commissioned the construction of Dinpanah in Delhi, which later came to be known as Purana Qila (Old Fort).
- Humayun's reign (1530–1540, 1555–1556) saw significant architectural developments, including the construction of various forts and buildings in Delhi and elsewhere in the Mughal Empire.

**Question 55 :**
According to Census of India 2011. which state in India has the highest female literacy rate?

Difficulty : Moderate                                                    Average Time : 46 Seconds

**Options :**

Himachal Pradesh

2. Kerala

3. Tamil Nadu

4. Maharashtra

**Solution :**

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

- According to the Census of India 2011, the state with the highest female literacy rate in India is Kerala.
- In the Census of India 2011, Kerala had the highest female literacy rate among all Indian states, with an impressive literacy rate of 92.07%. Kerala's high literacy rate is attributed to its strong focus on education and social development initiatives over the years.

**Question 56 :**

2nd October is observed as .

**Difficulty : Moderate**             **Average Time : 47 Seconds**

**Options :**

1. International Non-Violence Day

2. World Social Justice Day

3. World Wildlife Day

4. International Education Day

**Solution :**

The correct answer is **option 1** i.e **International Non-Violence Day.**

- October 2nd is also observed as the International Day of Non-Violence.
- This day honors the philosophy and principles of non-violence as advocated by Mahatma Gandhi, who employed non-violent resistance as a powerful tool in the struggle for India's independence.

**Question 57 :**

The Political Part of the Indian Constitution has been largely drawn from which Constitution?

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

**Options :**

1. British Constitution

Irish Constitution

3. Australian constitution

4. US Constitution

**Solution :**

The correct answer is **option 1** i.e **British Constitution.**

The political section of the Indian Constitution has indeed borrowed key features from the British Constitution, such as the parliamentary form of government, the rule of law, the bicameral legislature, and the office of the governor. However, it has also made significant adaptations and modifications to these features to align with the specific needs and context of India.

**Question 58 :**

The government of india launched a new programme called the New India Literacy Programme (NILP) for five years. from FY's _____to_____ with a budget of 21.037.90 crores.

**Difficulty : Moderate**                                          **Average Time : 52 Seconds**

**Options :**

1. 2023-24 to 2026-27

2. 2022-23 to 2026-27

3. 2022-23 to 2024-25

4. 2021-22 to 2025-26

**Solution :**

The correct answer is **option 2** i.e **2022-23 to 2026-27**.

- The New India Literacy Programme (NILP) was launched by the Government of India for a five-year period, from FY 2022-2023 to FY 2026-2027, with a budget of 21,037.90 crores.
- The New India Literacy Programme (NILP) is a government initiative aimed at enhancing literacy rates across India. It encompasses various strategies and interventions to promote literacy and education, particularly targeting underprivileged and marginalized communities.

**Question 59 :**

Which of these is true about the second phase of the green revolution?

**Difficulty : Moderate**                                          **Average Time : 51 Seconds**

**Options :**

It covered the period of the 1980s.

2. It was introduced in areas with urigation facilities.

3. It covered the period of the 1960s and 1970s.

4. It was introduced in Punjab and Uttar Pradesh regions

**Solution :**

The correct answer is **option 1** i.e **It covered the period of the 1980s**.

- The statement "It covered the period of the 1980s" about the second phase of the Green Revolution is correct.
- The second phase of the Green Revolution is generally considered to have occurred during the 1980s. This phase built on the successes and lessons learned from the first phase, which primarily took place in the 1960s and 1970s.

**Question 60 :**

What is the name of the chemical compound having the molecular formula C;H4O which is mostly used tor the production of acrylic acid and acrylate ester?

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

**Options :**

1. Naphthaldehyde

2. Vanillin

3. Acrolein

4. Muscone

**Solution :**

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

- The chemical compound with the molecular formula $C_3H_4O$, which is mostly used for the production of acrylic acid and acrylate ester, is called acrolein.

**Question 61 :**

The Monetary Policy Committee maintained a hawkish stand on the interest rates. In this context. 'hawkish' stand means .

**Difficulty : Moderate**                                    **Average Time : 41 Seconds**

**Options :**

1. interest rates were decreased

interest rates were increased

3. interest rates were kept unchanged

4. money supply was increased

**Solution :**

The correct answer is **option 2** i.e **interest rates were increased**.

- In the context of monetary policy, a 'hawkish' stand refers to a stance that favors higher interest rates to combat inflation. When a central bank or its monetary policy committee is described as 'hawkish,' it indicates a focus on controlling inflation, even if it may slow down economic growth.
- This typically involves measures such as raising interest rates or reducing the money supply to

**Question 62 :**

Gurnnaidu Sanapathi. who became India's first weightlifter to win a gold medal at the IWF in 2022. is from which state?

**Difficulty : Moderate**                                      **Average Time : 56 Seconds**

**Options :**

1. Kerala

2. Tamil Nadu

3. Andhra Pradesh

4. Odisha

**Solution :**

The correct answer is **option 3** i.e **Andhra Pradesh**.

- Gurnnaidu Sanapathi, who became India's first weightlifter to win a gold medal at the International Weightlifting Federation (IWF) in 2022, hails from the state of Andhra Pradesh.

**Question 63 :**

Which are the four quantum numbers for an electron present in 4f orbital?

**Difficulty : Moderate**                                      **Average Time : 40 Seconds**

**Options :**

1. $n = 4$, $l = 3$, $m = +1$, $s = +1/2$

2. $n = 3$, $l = 2$, $m = -2$, $s = +1/2$

   n = 4, 1 = 4, m = -4, s = -1/2

4. n = 4,1 = 3, m = + 4, s = + 1/2

**Solution :**

The correct answer is **Option 1** i.e **n = 4, | = 3, m = +1, s = + 1/2**.

The four quantum numbers that describe an electron in a 4f orbital are as follows:

1. **Principal Quantum Number (n)**: This number specifies the energy level or shell of the electron. For a 4f orbital, n = 4.

2. **Azimuthal Quantum Number (l)**: This number specifies the subshell or shape of the orbital. For an f orbital, l = 3.

3. **Magnetic Quantum Number (m_l)**: This number specifies the orientation of the orbital in space. For an f orbital where l = 3.

4. **Spin Quantum Number (m_s)**: This number specifies the spin of the electron. It can have two possible values: s = + 1/2

**Question 64 :**

Which instirution had launched the project E-Shakti for the digitisation of all members of self-help groups in India?

**Difficulty : Moderate**                                      **Average Time : 68 Seconds**

**Options :**

1. SIDBI

2. SEBI

3. IFCI

4. NABARD

**Solution :**

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

- The National Bank for Agriculture and Rural Development (NABARD) launched the project E-Shakti for the digitisation of all members of self-help groups (SHGs) in India.
- The primary aim of this initiative is to create a comprehensive and accessible digital database of SHG members, which would help in improving the management, monitoring, and credit linkage of SHGs.

**Question 65 :**

What is the product of the reaction when anhydrite undergoes hydration?

**Difficulty : Moderate**

**Average Time : 47 Seconds**

**Options :**
1. Limonite
2. Magnesite
3. Kaolin
4. Gypsum

**Solution :**

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

- When anhydrite ($CaSO_4$) undergoes hydration, it reacts with water to form gypsum ($CaSO_4 \cdot 2H_2O$).
- In this reaction, anhydrite, which is an anhydrous form of calcium sulfate, takes up water molecules and converts into gypsum, which is a hydrated form of calcium sulfate.

**Question 66 :**

Which of the following diseases is wansmitted by the bite of an infected female phlebotomine sandfly characterised by irregular fever, Weight loss and enlargement of the spleen and liver?

**Difficulty : Moderate**

**Average Time : 49 Seconds**

**Options :**
1. Japanese encephalitis
2. Visceral leishmaniasis
3. Diarrhoea
4. Anaplasmosis

**Solution :**

The correct answer is **option 2** i.e. **Visceral leishmaniasis**.

- Visceral leishmaniasis, also known as kala-azar, is a parasitic disease transmitted by the bite of an infected female Phlebotomine sandfly.
- It is characterized by symptoms such as irregular fever, weight loss, and enlargement of the spleen and liver.
- It is caused by protozoan parasites of the Leishmania species and can be fatal if left untreated.

**Question 67 :**

The name of the Brahmin priest who later came to be known as Ramakrishna Paramahansa is:

Difficulty : Moderate                                     Average Time : 51 Seconds

**Options :**

1. Gadadhar Chattopadhyaya
2. Dayanand Saraswati
3. Shree Narayana Guru
4. Narendra Nath Datta

**Solution :**

The correct answer is **option 1** i.e. **Gadadhar Chattopadhyaya**.

- The Brahmin priest who later came to be known as Ramakrishna Paramahansa was originally named Gadadhar Chattopadhyay.
- He was born in 1836 in the village of Kamarpukur in the Hooghly district of Bengal, which is now in West Bengal, India.

**Question 68 :**

Ravi Shankar is famous for which of the following musical instruments?

Difficulty : Moderate                                     Average Time : 44 Seconds

**Options :**

1. Veena
2. Sitar
3. Algoza
4. Flute

**Solution :**

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

- Ravi Shankar is famous for playing the sitar, a traditional Indian stringed musical instrument.
- He was a renowned sitar virtuoso and composer, widely regarded as one of the greatest musicians of the 20th century.
- Shankar's mastery of the sitar and his innovative approach to Indian classical music helped popularize Indian classical music worldwide.

**Question 69 :**

Chali, Jnumura and Nadu Bhangi are associated with which Indian classical dance form?

**Difficulty : Moderate**                                        **Average Time : 47 Seconds**

**Options :**

1. Kathakali

2. Sattriya

3. Manipuri

4. Kuchipudi

**Solution :**

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

- Chali, Jhunumura, and Nadu Bhangi are indeed associated with the Indian classical dance form of Sattriya.
- Sattriya is one of the eight classical dance forms of India, originating from the northeastern state of Assam.
- These postures or stances play a significant role in Sattriya dance, helping to convey emotions, narratives, and various aspects of the dance repertoire.

**Question 70 :**

In which year was the Indian National Congress established?

**Difficulty : Moderate**                                        **Average Time : 47 Seconds**

**Options :**

1. 1891

2. 1885

3. 1876

4. 1882

**Solution :**

The correct answer is **option 2** i.e. **1885**.

- The Indian National Congress (INC) was established in 1885.
- It played a crucial role in the Indian independence movement against British colonial rule and later became one of the major political parties in India.

**Question 71 :**

India topped the medal tallv in 2023 Taovuan Archery Asia Cup Stage-1 world ranking tournament with medals.

**Difficulty : Moderate**                                    **Average Time : 41 Seconds**

**Options :**

1. 9

2. 7

3. 8

4. 10

**Solution :**

The correct answer is **option 4** i.e. **10**.

- India has won a total of 10 medals in the 2023 Taoyuan Archery Asia Cup Stage-I World ranking tournament.
- This is the highest number of medals won by any country in the tournament.
- The tournament is a world ranking tournament for archery, held in Taoyuan, Taiwan.

**Question 72 :**

Sutapa Talukdar is associated with which Indian Classical dance form?

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

**Options :**

1. Kuchipudi

2. Odissi

3. Bharatanatyam

4. Mohiniyattam

**Solution :**

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

- Sutapa Talukdar is indeed associated with the Indian classical dance form of Odissi.
- Odissi originates from the state of Odisha and is known for its lyrical movements, sculpturesque poses, and expressive storytelling.
- Artists like Sutapa Talukdar contribute significantly to the promotion and preservation of Odissi through their performances, teaching, and dedication to the art form.

**Question 73 :**

According to the Indian Minerals Yearbook 2020. which state has the highest production of manganese in India?

**Difficulty : Moderate**                    **Average Time : 48 Seconds**

**Options :**

1. Karnataka

2. Madhya Pradesh

3. Odisha

4. Maharashtra

**Solution :**

The correct answer is **option 2** i.e. **Madhya Pradesh**.

- Madhya Pradesh has the highest production of manganese in India, with a production of 5,528 thousand tonnes in the year 2019-20, according to the Indian Minerals Yearbook 2020.
- Manganese occurs as silvery grey in colour and is very hard and brittle in nature.
- It is always available in combination with iron, laterite and other minerals.

**Question 74 :**
Article 22 of the Indian Constitution is related to which of the following?

**Difficulty : Moderate**                    **Average Time : 49 Seconds**

**Options :**

1. Right to education

2. Protection of personal liberty

3. Preventive detention

4. Protection of life

**Solution :**

The correct answer is **option 3** i.e. **Preventive detention**.

- Article 22 of the Indian Constitution primarily deals with preventive detention.
- It outlines the safeguards that must be provided to individuals who are subjected to preventive detention, including the right to be informed of the grounds of detention, the right to consult and be defended by a legal practitioner, and the right to be produced before a magistrate within a specified time period.

**Question 75 :**
Which of the following industries is its own major consumer in India?

Difficulty : Moderate

Average Time : 51 Seconds

**Options :**

1. Iron and steel
2. Aviation
3. Automobile
4. Chemical

**Solution :**

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

- The chemical industry in India is one of the major consumers of its own products.
- India has a significant chemical manufacturing sector that produces a wide range of products including petrochemicals, specialty chemicals, agrochemicals, and pharmaceuticals, among others.
- These chemicals are utilized in various industrial processes across different sectors such as agriculture, pharmaceuticals, textiles, manufacturing, and construction.

**Question 76 :**
Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters'number of consonants,vowels in the word.) Begin — Start

Difficulty : Moderate

Average Time : 59 Seconds

**Options :**

1. Bitter — Sweet
2. Green — Leaf
3. Ban — Forbid
4. After — Before

**Solution :**

The correct answer is **option 3 i.e. Ban — Forbid.**

Begin — Start

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They are related as start is synonym of begin.

Similarly ,

Ban — Forbid

They are related as ban is synonym of forbid.

Hence, **Option 3** is the correct answer.

**Question 77 :**
Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

**Difficulty : Moderate**                                   **Average Time : 48 Seconds**

**Options :**

1. ꙅↄↄᖷ3ϳꟼ⧝ᖯɒ
2. ꙅↄↄᖷ3ϳꟼᖶɒ
3. ꙅↄↄᖷ3ϳᖶꟼɒ
4. ꙅↄↄᖷ3ϳꟼↄᖯɒ

**Solution :**

The correct answer is **option 2 i.e.** ꙅↄↄᖷ3ϳꟼᖶɒ

The mirror image of the question figure is shown below:

M
‖
2t43jFPa | aꟼꟴꟷ3ϳↄↄꙅ
‖
N

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 2** is the correct answer.

**Question 78 :**
If 11 August 2004 is Wednesday, then what will be the day of the week on 11 February 2006?

**Difficulty : Moderate**                                   **Average Time : 78 Seconds**

**Options :**

1. Friday
2. Sunday
3. Thursday
4. Saturday

**Solution :**

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

**Given :** 11 August 2004 was Wednesday

11 August 2005 was Wednesday + 1 = Thursday.

From 11 August 2005 to 11 February 2006

= 20 (Aug) + 30 (Sep) + 31 (Oct) + 30 (Nov) + 31(Dec) + 31 (Jan) + 11 (Feb)

= 184 days

Total odd days in 184 days will be : 184/7 = 26 weeks and 2 odd days

Thus , 11 February 2006 will be Thursday + 2 = Saturday

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

**Question 79 :**

24 is related to 75 in a certain way. Following the same logic, 36 is related to 111. To which of the following is 43 related, following the same logic?

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

**Options :**

1. 130
2. 138
3. 135
4. 132

**Solution :**

The correct answer is **option 4 i.e. 132.**

**Logic : (First Number x 3) + 3**

24 is related to 75

24 x 3 + 3 = 72 + 3 = 75

36 is related to 111

36 x 3 + 3 = 108 + 3 = 111

Similarly,

43 related to

43 x 3 + 3 = 129 + 3 = 132

Hence , **132** is the correct answer.

**Question 80 :**
Select the option that is related to the fifth number in the same way as the second number is related to the first number and the fourth number is related to the third number. 121 : 32 :: 100 : 81 :: 81 : ?

**Difficulty : Moderate**                                    **Average Time : 48 Seconds**

**Options :**
1. 54
2. 96
3. 64
4. 28

**Solution :**
The correct answer is **Option 3** i.e. **64.**

121 : 32

$(11)^2 : (2)^5$

Similarly, 100 : 81 = $(10)^2 : (3)^4$

Similarly, 81 : ? = $(9)^2 : (4)^3 = (4)^3 = 64$
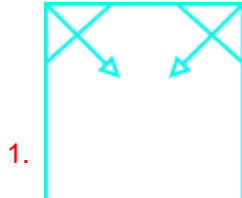
81 : **64**

**Question 81 :**
Select the correct mirror image of the given figure when the mirror is placed at MN as shown.

**Difficulty : Moderate**

**Average Time : 39 Seconds**

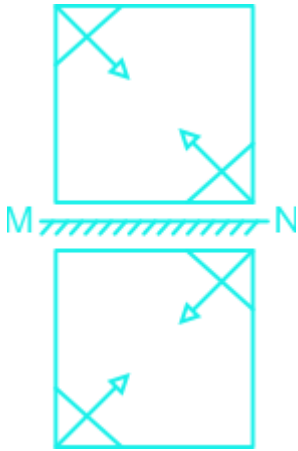**Options :**

1. 

2. 

3. 

4. 
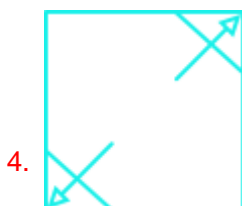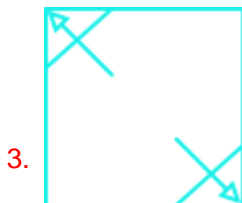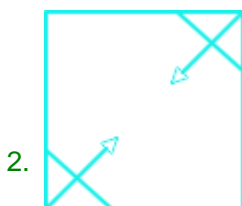
**Solution :**
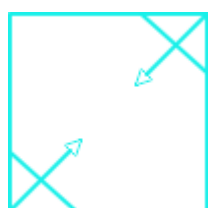


The correct answer is **option 2 i.e.** .

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 2** is the correct answer.

**Question 82 :**
In a certain, code language 'QUIRKY' is coded as 'TCLZNG' and "MUZHIK' is coded as 'PCCPLS'. What is the code tor 'FROWZY' in the given code language?

**Difficulty : Moderate**                    **Average Time : 82 Seconds**

**Options :**
1. IZKECG
2. IZRECG
3. IZREDG
4. IZRECF

**Solution :**
The correct answer is **option 2 i.e. IZRECG.**

**Logic : Adding 3 and 8 in alternatively in letters**

'QUIRKY' is coded as 'TCLZNG'

Q + 3 = T

U + 8 = C

I + 3 = L

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R + 8 = Z

K + 3 = N

Y + 8 = G

'MUZHIK' is coded as 'PCCPLS'

M + 3 = P

U + 8 = C

Z + 3 = C

H + 8 = P

I + 3 = L

K + 8 = S

Similarly,

'FROWZY' is coded as

F + 3 = I

R + 8 = Z

O + 3 = R

W + 8 = E

Z + 3 = C

Y + 8 = G

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

**Question 83 :**
AFKQ is related to BELR in a certain way based on the English alphabetical order. In the same way. IQWY is related to JPXZ. To which of the following is CMSU related to following the same logic?

**Difficulty : Moderate**

**Average Time : 71 Seconds**

**Options :**
1. XNHE

2. BLRT

DKTU

4. DLTV

**Solution :**

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

**Logic : First letter + 1 , Second letter - 1 , Third letter  + 1 , Fourth letter + 1**

AFKQ is related to BELR

A + 1 = B

F - 1 = E

K + 1 = L

Q + 1 = R

IQWY is related to JPXZ

I + 1 = J

Q - 1 = P

W + 1 = X

Y + 1 = Z

Similarly,

CMSU related to

C + 1 = D

M - 1 = L

S + 1 = T

U + 1 = V

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

**Question 84 :**

What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '+' are interchanged? 13 ÷ 182 x 14 - 45 + 24 = ?

**Difficulty : Moderate**                    **Average Time : 64 Seconds**

**Options :**

1. 194

2. 183

3. 190

4. 187

**Solution :**

The correct answer is **option 3 i.e. 190.**

**Given Equation :** 13 ÷ 182 x 14 - 45 + 24 = ?

If '+' and '-' are interchanged and 'x' and '÷' are interchanged the equation becomes :

13 x 182 ÷ 14 + 45 - 24

13 x 13 + 45 - 24

169 + 45 - 24

214 - 24

90

Hence , **190** is the correct answer.

**Question 85 :**
How many triangles are there in the given figure?

**Difficulty : Moderate**

**Average Time : 47 Seconds**

**Options :**

1. 9

2. 10

3. 11

4. 8

**Solution :**

The correct answer is **option 4 i.e. 8.**

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



No. of triangles =  AEL , FBG , HCI , JDK , MNO , PQM , PQO and PMO

Hence, the correct answer is 8**.**

**Question 86 :**
Select the set in which the numbers are related in the same way as are the numbers of the following sets. (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.) 4 - 12 - 50 and 7  - 12 - 86

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

**Options :**
1.  3 - 6 - 18
2.  6 - 18 - 110
3.  2 - 5 - 23
4.  5 - 7 - 34

**Solution :**
The correct answer is **option 2 i.e. 6 - 18 - 110.**

**Logic : (First Number x Second Number)  + 2**

4 - 12 - 50

4 x 12 + 2 = 48 + 2 = 50

7  - 12 - 86

7 x 12 + 2 = 84 + 2 = 86

Similarly , Option 2 follows the same logic

6 - 18 - 110

6 x 18 + 2 = 108 + 2 = 110

Hence , **6 - 18 - 110** is the correct answer.

**Question 87 :**
In a certain code language, 'TRIM' is coded as '6794' and 'MINT is coded as '3679". What is the code for 'R' in the given code language?

Difficulty : Moderate                                   Average Time : 53 Seconds

**Options :**
1. 9
2. 4
3. 3
4. 7

**Solution :**
The correct answer is **option 2 i.e. 4.**

Given : 'TRIM' is coded as '6794' and 'MINT is coded as '3679

M , I and T are the common letter , the probable code for these letters will be 6 , 7 and 9. So, the code for "R" will be 4.

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

**Question 88 :**
What should come in place of the question mark () in the given series? 254  251 245 236 224 ?

Difficulty : Moderate                                   Average Time : 45 Seconds

**Options :**
1. 212
2. 209
3. 210
4. 206

**Solution :**

The correct answer is **option 2 i.e. 209.**

**Given :** 254  251 245 236 224 ?

**Logic : Subtracting multiples of 3**

254 - 3 = 251

251 - 6 = 245

245 - 9 = 236

236 - 12 = 224

224 - 15 = 209

Hence, **209** is the correct answer.

**Question 89 :**
Three of the following four letter-clusters are alike in some manner and hence form a group. Which letter-cluster does not belong to that group?

Difficulty : Moderate                                                    Average Time : 44 Seconds

**Options :**
   1.  MKN
   2.  QOR
   3.  GEH
   4.  TRV

**Solution :**

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

**Logic : First letter - 2 = Second Letter , First letter + 1 = Third letter**

Except for Option 4 all follows the same logic :

T - 2 = R

T + 1 = U

So , TRV is the odd one out.

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

**Question 90 :**

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series.
Z_WV    USR_    _NML    KI_G    F_CB

**Difficulty : Moderate**                                  **Average Time : 51 Seconds**

**Options :**

1. YQOHD

2. XQPHD

3. XQOHD

4. YQPHD

**Solution :**

The correct answer is **Option 2** i.e. **XQPHD.**

Z**X**WV/USR**Q**/**P**NML/KI**H**G /F**D**CB

Z**X**WV  USR**Q**  **P**NML  KI**H**G  F**D**CB

**Question 91 :**
Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below. (The words must be considered as meaningful English words and must not be related to each other based on the number of letters: consonants vowels in the word.) Blood : Red

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

**Options :**

1. Stone : Hard

2. Dry : Wet

3. Music : Guitar

4. Finger : Toe

**Solution :**

The correct answer is **option 1 i.e. Stone : Hard.**

As Blood is red in color so is stone hard in structure.

Hence , **Stone : Hard** is the correct answer.

**Question 92 :**

Which number from among the given options can replace the question mark (?) in the following series? 8, 11. 22,?. 50, 53

**Difficulty : Moderate**                                    **Average Time : 40 Seconds**

**Options :**

1. 37

2. 42

3. 35

4. 25

**Solution :**

The correct answer is **option 4 i.e. 25.**

**Given series :** 8, 11. 22,?. 50, 53

**Logic : Number + 3 and Number x 2 alternatively**

8 + 3 = 11

11 x 2 = 22

**22 + 3 = 25**

25 x 2 = 50

50 + 3 = 53

Hence , **25** is the correct answer.

**Question 93 :**

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion's logically follow's from the given statements. Statements: Some apples are oranges. All oranges are bananas. All bananas are mangoes. Conclusion (I): Some mangoes are oranges. Conclusion (II): Some bananas are apples.

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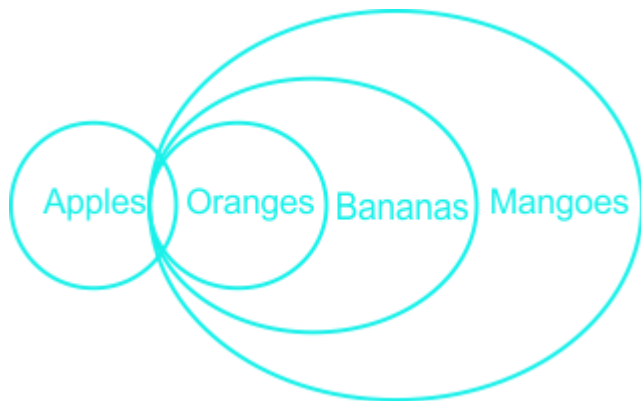
**Options :**

1. Only conclusion (I) is true

2. Both conclusions (I) and (II) are true.

3. Neither conclusion (I) nor (II) is true.

Only conclusion (II) is true.

**Solution :**

The correct answer is **option 2 i.e. Both conclusions (I) and (II) are true.**

**The Least possible Venn Diagram will be :**



**Conclusion:**

(I) Some mangoes are oranges True ( As All oranges are mangoes so some mangoes are oranges)

(II) Some bananas are apples. True (As some apples are bananas so some bananas are apples)

Hence , **Both conclusions (I) and (II) are true** is the correct answer.

**Question 94 :**
The position of how many letters will remain unchanged if each of the letter in the word 'VAPORIZE' is arranged in alphabetical order?

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

**Options :**

1. Two

2. Three

3. Four

4. One

**Solution :**

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

**Given :** 'VAPORIZE'

If each of the letter in the word 'VAPORIZE' is arranged in alphabetical order :

AEIOPRVZ

Only letter "O" remains at the same positon.

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

**Question 95 :**
Identify the figure given in the options which when put in place of the question mark (?) will logically complete the series.
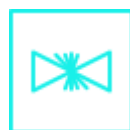
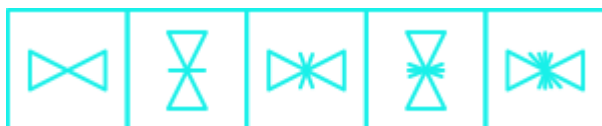**Difficulty : Moderate**                    **Average Time : 47 Seconds**

**Options :**

1. 

2. 

3. 

4. 

**Solution :**

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

**Logic used :** As the series progress in the figure rotates clockwise and the number of lines crossing in the centre increases.

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

**Question 96 :**

The second number in the given number pairs is obtained by performing certain mathematical operations(s) on the first number. The same operation(s) are followed in all the number pairs except one. Find that odd number pair.

**Difficulty : Moderate**

**Average Time : 79 Seconds**

**Options :**

1. 5 : 23

2. 4 : 19

3. 2 : 11

4. 7 : 32

**Solution :**

The correct answer is **option 4 i.e. 7 : 32.**

**Logic used : (First Number x 4) + 3**

**Except for Option 4 all follows the above logic :**

7 : 32

7 x 4 + 3 = 28 + 3 = 31

So , 7:32 is the odd one out.

Hence, **7 : 32** is the correct answer.

**Question 97 :**

Select the combination of letters that when sequentially placed in the blanks of the given series will make the series logically complete. AEI_ JL_QS_SS_ZXU

**Difficulty : Moderate**

**Average Time : 44 Seconds**

**Options :**

1. BLSN

2. SSUU

3. SDMA

4. ONSB

**Solution :**

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

**Given Sequence :** A E I _ J L _ Q S _ S S _ Z X U

Putting Option 4 completes the series

A E I **O** / J L **N** Q / S **S** S S / **B** Z X U

**Logic in the sequence** : First letter + 9 , Second letter + 7 , Third + 5 , Fourth letter + 2

Thus , ONSB completes the series.

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

**Question 98 :**
In a certain code language, A + B means 'A is the mother of B', A - B means 'A is the brother of B', A × B means 'A is the wife of B', A ÷ B means ' Ais the father of B'. Based on the above, how is M related to P if 'M + N ÷ O × P - Q'?
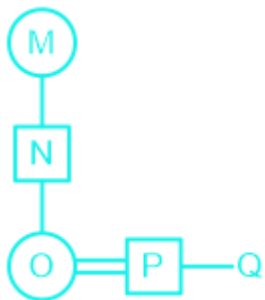
Difficulty : Moderate                                      Average Time : 69 Seconds

**Options :**

1. Wife's Father's Mother

2. Mother's husband

3. Brother's wife

4. Daughter

**Solution :**

The correct answer is **Option 1** i.e. **Wife's Father's Mother.**



So, M is P's **Wife's Father's Mother.**

**Question 99 :**
Pointing towards a photo, Mahesh said. "She is the daughter of the only son of my grandfather." How is the girl in the

photo related to Mahesh?

**Difficulty : Moderate**
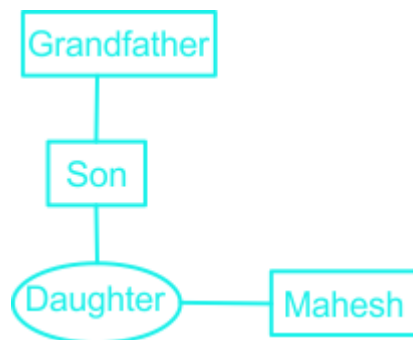
**Average Time : 49 Seconds**

**Options :**

1. Sister

2. Daughter

3. Mother's sister

4. Mother

**Solution :**

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

**The possible Family Tree will be :**



Thus , the girl is sister of Mahesh.

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

**Question 100 :**

What will come in the place of '?' in the following equation. if '+'; and '-' are interchanged and 'x' and '÷' are interchanged?
26 ÷ 6 + 24 ( imes) 3 - 6 = ?

**Difficulty : Moderate**

**Average Time : 50 Seconds**

**Options :**

1. 124

2. 154

3. 134

**Solution :**

The correct answer is **option 2 i.e. 154.**

**Given equation :** 26 ÷ 6 + 24 $\times$ 3 - 6 = ?

If '+' and '-' are interchanged and 'x' and '÷' are interchanged the equation will be :

26 x 6 - 24 ÷ 3 + 6

26 x 6 - 8 + 6

156 - 8 + 6

162 - 8

154

Hence , **154** is the correct answer.

# 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 Quantitative Aptitude, 25 questions were asked from General Awareness and 25 questions were asked from Logical Reasoning
4. 18 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. Vocab - 1
2. Cloze Test - 6
3. Spotting Error - 2

Sentence Jumbles - 2
5. Idioms - 1
6. One Word Substitution - 1
7. Voice - 2
8. Sentence Improvement - 3
9. Synonym - 1
10. Antonym - 3
11. Filler (Vocab) - 1
12. Correctly Spelt - 1
13. Incorrectly Spelt - 1
14. Incorrectly Spelt - 1

# Quantitative Aptitude

1. Simplification - 2
2. Average - 1
3. Percentage - 2
4. Data Interpretation - 3
5. Time And Work - 1
6. Time Speed And Distance - 1
7. Interest - 1
8. Ratios And Proportion - 1
9. Geometry - 4
10. Trigonometry - 3
11. Mensuration - 1
12. Algebra - 2
13. Profit And Loss - 3

# General Awareness

1. Polity - 2
2. Economics - 2
3. Science - 3
4. GK Misc - 4
5. Current Affairs - 3
6. NDA GK - 11

# Logical Reasoning

# 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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# About Neetu Mam

Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the Ssc Chsl Tier I Previous Year Question Paper. She has guided her team to provide the best explanation for the question.