



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 most appropriate option that can substitute the underlined segment in the given sentence. Despite being his competitor, John was generous and forgiving in defeat and congratulated his opponent on his well-deserved victory.

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. altruistic
2. magnanimous
3. fainthearted
4. venomous

Solution :

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

- **Magnanimous** is an adjective that describes someone who is **generous, forgiving**, and noble in spirit, especially in times of victory or power.
- Hence, the most appropriate word that can substitute the underlined segment is 'magnanimous'.
- The other options mean:
 - **Altruistic**: Selflessly concerned for the well-being of others.
 - **Fainthearted**: Lacking courage or determination; timid.
 - **Venomous**: Full of malice or spite; capable of inflicting harm.

Question 2 :



Select the option that can be used as a one-word substitute for the given group of words/phrase. A person who has features of extrovert and introvert

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. Stoic
2. Ambivert
3. Ambiguous
4. Dual

Solution :

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

- An **ambivert** is a person who shows characteristics of both extroversion and introversion. In other words, they fall somewhere in the middle of the scale.
- People who are **ambiverts** are said to be moderately comfortable in social situations but also enjoy some solitary time.
- Other option means:
 - **Stoic**: a person who's not very emotional.
 - **Ambiguous**: doubtful or uncertain nature; difficult to comprehend.
 - **Dual**: a set of concrete features, and the abstract values that these features serve to realize.

Question 3 :

Select the option that can be used as a one-word substitute for the given group of words. Something which cannot be easily conquered

Difficulty : Moderate

Average Time : 107 Seconds

Options :

1. Frightening
2. Invincible
3. Reciprocal
4. Stable

Solution :



The correct is **Option 2** i.e. **Invincible**.

- **Invincible** is an adjective that means incapable of being conquered, defeated, or overcome.
- It suggests a state of being unbeatable or indomitable.
- The other option means:
 - **Frightening**: Causing fear or terror; intimidating.
 - **Reciprocal**: Mutual; given or felt by each party toward the other.
 - **Stable**: Firmly established; not likely to change or falter.

Question 4 :

Select the most appropriate ANTONYM of the underlined word in the following sentence. Bhagat Singh was a young firebrand, whose militant activism and revolutionary fervour made him a symbol of resistance against the British Raj.

Difficulty : Moderate

Average Time : 89 Seconds

Options :

1. Violent
2. Radical
3. Moderate
4. Ultra

Solution :

The correct is **option 3** i.e. **Moderate**.

- **Revolutionary** means involving or causing a complete or marked change.
- Marked option **Moderate** means being within reasonable limits; not excessive or extreme.
- Hence, it is clear that the most appropriate antonym for 'Revolutionary' is 'Moderate'.
- The other option means:
 - **Violent**: Involving or characterized by physical force intended to cause harm or damage.
 - **Radical**: Advocating or implementing significant and fundamental change.
 - **Ultra**: Going beyond what is usual or ordinary; extreme.

Question 5 :

Select the most appropriate synonym of the bracketed word in the following sentence to fill in the blank. The security cameras can automatically _____ (rotate) to monitor the entire hallway.

Difficulty : Moderate

Average Time : 103 Seconds

Options :



1. evolve

2. resolve

3. revolve

4. devolve

Solution :

The correct is **option 3** i.e. **revolve**.

- **Rotate** means to turn or spin around a central axis or point.
- Marked option **Revolve** means to move in a circular or orbiting path around a central point.
- Hence, it is clear that the most appropriate synonym for 'rotate' is 'revolve'.

The other options mean:

- **Evolve:** To develop or change gradually over time, typically into a more advanced or complex form.
- **Resolve:** To decide firmly on a course of action; to find a solution to a problem.
- **Devolve:** To transfer power or authority from a higher to a lower level, often gradually.

Question 6 :

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. as some 71 per cent of Earth's surface is covered by saltwater oceans, and B. notwithstanding that Europa and Enceladus (moons of Jupiter and Saturn, respectively) C. the continents themselves possess lakes, rivers, and, in some cases, seas D. are both covered in ice, Earth is the true water world of the solar system

Difficulty : Moderate

Average Time : 123 Seconds

Options :

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

Solution :

The correct is **option 1** i.e. **B, D, A, C**.

- **Part B:** This phrase introduces the idea that Europa and Enceladus are moons of Jupiter and Saturn and sets the stage for a comparison.
- **Part D:** This part completes the comparison by stating that despite Europa and Enceladus being covered in ice,

Earth is considered the true water world of the solar system.

- **Part A:** This part adds a supporting detail, emphasizing that Earth's claim as the true water world is justified because 71 per cent of its surface is covered by saltwater oceans.
- **Part C:** This part further elaborates on Earth's water abundance by mentioning that the continents also contribute to this abundance with lakes, rivers, and seas.
- So, the correct order is B, D, A, and C, forming a coherent and meaningful sentence.

Question 7 :

Parts of the following sentence have been given as options. Select the option that contains an error. He lives in 45 Church Street with his family.

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. in 45 Church Street
2. with his family
3. lives
4. He

Solution :

The correct is **option 1 i.e. in 45 Church Street.**

- "**At**" is generally preferred when we want to emphasize a specific point or location.
- In the case of an address, using "**at**" can convey a sense of precision, indicating a particular point on the street.
- "**In**" is used for general locations, countries, cities, and regions.
- While '**At**' is used for specific points or addresses.

Corrected sentence: "*He lives at 45 Church Street with his family*", suggests a precise location on Church Street.

Question 8 :

Select the most appropriate synonym of the word 'Scrutiny' from the given sentence. The company's strategic plan included a comprehensive analysis of market trends and consumer behaviour.

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. Behaviour
2. Comprehensive



Trends

4. Analysis

Solution :

The correct is **option 4 i.e. Analysis.**

- **Scrutiny** means critical observation or examination; careful and detailed examination.
- Marked option **Analysis** means a detailed examination of the elements or structure of something, typically as a basis for discussion or interpretation.
- Hence, it is clear that the most appropriate synonym for 'Scrutiny' is 'Analysis'.
- The other option means:
 - **Behaviour:** The way in which a person or organism acts in response to a particular situation or stimulus.
 - **Comprehensive:** Covering or including everything; thorough and complete.
 - **Trends:** General direction in which something is developing or changing.

Question 9 :

Select the most appropriate synonym of the word 'Capable' from the given sentence. Jayesh was competent and the best candidate for the post of clerk in the interview, whereas others were inefficient and irritating.

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. best
2. irritating
3. competent
4. inefficient

Solution :

The correct is **option 3 i.e. competent.**

- **Capable** means having the ability or capacity to do something; skilled or proficient.
- Marked option **Competent** means having the necessary ability, knowledge, or skill to perform a task effectively.
- Hence, it is clear that the most appropriate synonym for 'Capable' is 'Competent'.
- The other option means:
 - **Best:** Surpassing all others in excellence or quality; most suitable or advantageous.
 - **Irritating:** Causing annoyance or displeasure; provoking impatience or frustration.
 - **Inefficient:** Not achieving maximum productivity; wasteful or ineffective in the use of resources.

Question 10 :



Select the option that expresses the following sentence in passive voice. Your mother teaches us English literature.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. English literature is taught to us by your mother.
2. English literature has been taught to us by your mother.
3. Your mother is taught to us English literature.
4. English literature taught to us by your mother.

Solution :

The correct is **option 1 i.e. English literature is taught to us by your mother.**

- The passive voice is formed by rearranging the sentence structure to emphasize the recipient of the action rather than the doer.
- **Active voice structure:** Subject + verb + Object
- **Passive voice structure:** Object + be verb + past participle + by + doer
- So, in the passive voice construction, the focus is on what is being taught (English literature) rather than who is doing the teaching (your mother).
- Passive voice constructions have the option to include or omit the doer of the action (by your mother).
- Including it provides additional information about who is performing the action.

Question 11 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. He sang / beautifully but / the judges were / unimpress at the end.

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. the judges were
2. unimpress at the end
3. He sang
4. beautifully but

Solution :

The correct is **option 2 i.e. unimpress at the end.**

- The word "**unimpress**" is not a proper adjective in English.

The correct adjective form to use in this context is "**unimpressed**."

- **Adjectives** modify or describe nouns, and in this case, we are describing the state or condition of the judges.
- "**Unimpressed**" is the adjective form, indicating a lack of a positive impact or a lack of being impressed.
- So, when describing the judges' reaction, we should use "**unimpressed**" to convey that they were **not impressed by the singing**.
- The **corrected sentence reflects the appropriate adjective** form: "*He sang beautifully, but the judges were unimpressed at the end.*"

Question 12 :

Select the most appropriate ANTONYM of the given word. Stationary

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. Moving
2. Immobile
3. Permanent
4. Stable

Solution :

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

- The most appropriate antonym of the given word '**Stationary**' is '**Moving**'.
- **Stationary**: not moving.
- **Moving**: in motion.
- The other option means:
 - **Immobile**: not moving, motionless.
 - **Permanent**: lasting for a long time or forever; that will not change.
 - **Stable**: steady, firm and unlikely to change.

Question 13 :

Select the correct spelling from the given options to fill in the blank. The civil engineers are trying to _____ the bridge using the new technology

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. elevate

ilivate

3. alivate

4. elivait

Solution :

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

- **Elevate** means to raise or lift something to a higher position or level; to uplift or raise in status, rank, or condition.
- The sentence suggests that civil engineers are attempting to raise or lift the bridge using new technology.
- In this context, the word that fits is "**elevate.**"

Question 14 :

Select the most appropriate homonym in the context of the following sentence to fill in the blank. My birthday will _____ on a Friday this year.

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. fall: to go down onto the ground suddenly
2. fall: to come at a particular time or happen in a particular place
3. fall: to change to a particular condition
4. fall: to be beaten or defeated

Solution :

The correct is **option 2 i.e. fall: to come at a particular time or happen in a particular place.**

- A **homonym** is a linguistic term that refers to a pair (or group) of words that have the same spelling or pronunciation but different meanings.
- In this context, the word "**fall**" is used in the sense of an event occurring or taking place at a particular time.
- **Fall: to come at a particular time or happen in a particular place:** This is the correct meaning for the given context.
- It expresses when an event, in this case, the birthday, is scheduled to happen.
- So, in the sentence "**My birthday will fall on a Friday this year,**" the word "**fall**" is used to convey the timing or occurrence of the birthday, making it the most appropriate choice.
- The other option means:
 - **Fall: to go down onto the ground suddenly:** Here, "fall" refers to the physical act of descending or dropping to the ground, typically in an unplanned or sudden manner.
 - **Fall: to change to a particular condition:** Here, "fall" indicates a change, typically a decrease, in a particular



condition or state. It is often used when describing a decline in value, quantity, or quality.

- **Fall: to be beaten or defeated:** Here, "fall" is used metaphorically to convey the team's defeat or loss in a competition. It implies a decline in performance or success.

Question 15 :

Select the most appropriate meaning of the given idiom. Play it by ear

Difficulty : Moderate

Average Time : 111 Seconds

Options :

1. Obey the rules blindly
2. Act as suggested
3. Discontinue impulsively
4. Perform without any rehearsals

Solution :

The correct is **option 4** i.e. **Perform without any rehearsals.**

- The idiom "**Play it by ear**" means to handle a situation in an impromptu or flexible manner, without making a fixed plan in advance.
- The idiom is often used when there is uncertainty or when plans may need to change based on the circumstances.
 - **Example:** *We can't make a decision yet. Let's just play it by ear.*

Question 16 :

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. with the occult and the satanic which in turn, owes much also to B. Poe's work owes much to the concern of Romanticism C. shaping plausible fabrics out of impalpable materials D. his own feverish dreams, to which he applied a rare faculty of

Difficulty : Moderate

Average Time : 71 Seconds

Options :

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

Solution :



The correct is **option 4** i.e. **B, A, D, C.**

- **Part B:** This part **introduces the main idea** of the sentence, stating that Poe's work is influenced by the Romanticism movement.
- **Part A:** This connects with the first part, **explaining** that Poe's work owes much to the occult and the satanic, and this influence can be traced back to Romanticism.
- **Part D:** This **provides additional information about** how Poe's work was influenced – by his own feverish dreams and his unique ability to apply those dreams to his writing.
- **Part C:** This **concludes the sentence** by describing how Poe applied his rare faculty – by shaping plausible fabrics out of impalpable materials. It adds a vivid description of Poe's creative process.
- So, the correct sequence forms a coherent and logically flowing sentence about the influence of Romanticism, the occult, the satanic, Poe's dreams, and his unique creative process.

Question 17 :

Select the most appropriate idiom to fill in the blank. Ashu is a dedicated guy, always ready to _____ for the betterment of his company

Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. snug as a bug in a rug
2. lose his marbles
3. rain on his parade
4. go the extra mile

Solution :

The correct is **option 4** i.e. **go the extra mile.**

- "**Go the extra mile**" is an idiom that precisely conveys the idea of putting in additional effort, going beyond the normal or expected level of commitment or contribution.
- **Complete sentence:** *Ashu is a dedicated guy, always ready to go the extra mile for the betterment of his company.*
- In this context, it suggests that Ashu is not just doing the minimum required but is willing to go above and beyond to contribute to the betterment of his company.
- The other option means:
 - **Snug as a bug in a rug:** Very comfortable and cosy.
 - **Lose his marbles:** To become mentally unstable or to lose one's composure.
 - **Rain on his parade:** To spoil someone's plans or to bring disappointment or negative news.

Question 18 :



Select the option that can be used as a one-word substitute for the given group of words/phrase. The doctor who treats bone problems

Difficulty : Moderate

Average Time : 81 Seconds

Options :

1. Obstetrician
2. Gynaecologist
3. Orthopaedist
4. Physiotherapist

Solution :

The correct is **option 3** i.e. **Orthopaedist**.

- The most appropriate meaning of the given group of words is 'orthopaedist'.
- **Orthopaedist**: a doctor who corrects congenital or functional abnormalities of the bones with surgery, casting, and bracing.
- The other option means:
 - **Obstetrician**: An obstetrician is a physician who specializes in delivering babies and caring for people during pregnancy and after they give birth. They treat medical conditions unique to pregnancy and perform surgeries related to labour and delivery.
 - **Gynaecologist**: A gynaecologist is a specialist doctor who manages conditions that affect the female reproductive system — which includes the vulva, vagina, uterus (womb) and ovaries.
 - **Physiotherapist**: A physiotherapist, or physical therapist, works with patients to help them manage pain, balance, mobility, and motor function.

Question 19 :

Identify the INCORRECTLY spelt word in the following sentence and select its correct spelling from the given options. Your lack of knowledge of recent advances in technology will be a sitback for your business.

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. advancess
2. knowleidge
3. bussiness
4. setback

**Solution :**

The correct is **option 4 i.e. setback.**

- The incorrectly spelled word in the sentence is "**sitback.**" The correct spelling is "**setback.**"
- A **setback** refers to a reversal or a check in progress, a delay, or an unexpected obstacle that hinders or delays one's plans or goals., which fits the context of the sentence.
- **Corrected sentence:** Your lack of knowledge of recent advances in technology will be a **setback** for your business.

Question 20 :

Select the option that expresses the given sentence in passive voice. The Governor of the state inaugurated the exhibition in a grand way.

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

1. The exhibition had been inaugurated by the Governor of the state in a grand way.
2. The exhibition inaugurated by the Governor of the state in a grand way.
3. The exhibition has been inaugurated by the Governor of the state in a grand way.
4. The exhibition was inaugurated by the Governor of the state in a grand way.

Solution :

The correct is **option 4 i.e. The exhibition was inaugurated by the Governor of the state in a grand way.**

- In an **active voice** sentence, the subject performs the action.
- The basic **structure** is Subject + Verb + Object.
- In a **passive voice** sentence, the subject receives the action, and the focus is on the action or the receiver.
- The basic **structure** is Object of the Active Voice Sentence + "to be" verb + Past Participle of the Main Verb + by + Subject
- So, in the given sentence, the object of the Active Voice will be "**the exhibition**", "to be" verb will be "**was**", the past participle of the main verb will be "**inaugurated**" and the subject with 'by' will become "**by the Governor of the state.**"
- The passive voice sentence retains the essential information from the active voice sentence but shifts the focus from the Governor to the exhibition.

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. Our school organised a graduation day to award certificates to the students. The graduation day highlights the overall achievements of students. All the students who are being graduated are invited formally with their parents. Students wore their attire according to the dress code given to them by the school administration. High school



graduation _____(1) is one of the most awaited and last event of any school. The function began with _____ (2) the lamp, followed by the distribution of certificates in a very systematic way. Our principal made a long and _____ (3) speech and blessed us for the future _____ (4). On behalf of our graduating class, our class representative extended a vote of thanks to show _____ (5) to all staff members. One of the parents expressed their experiences and views. At last, all the students, parents and staff members had lunch together.

Question 21 :

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

Difficulty : Moderate

Average Time : 138 Seconds

Options :

1. episode
2. festival
3. incident
4. ceremony

Solution :

The correct is **option 4** i.e. **ceremony**.

- By reading the first line of the passage we can get that the passage is about *an occasion* - **Graduation Day**.
- *When we consider an occasion we know that every occasion consists of performances and acts.*
- The word '**ceremony**' refers to *(a set of) formal acts, often fixed and traditional, performed on important social or religious occasions.*

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. Our school organised a graduation day to award certificates to the students. The graduation day highlights the overall achievements of students. All the students who are being graduated are invited formally with their parents. Students wore their attire according to the dress code given to them by the school administration. High school graduation _____(1) is one of the most awaited and last event of any school. The function began with _____ (2) the lamp, followed by the distribution of certificates in a very systematic way. Our principal made a long and _____ (3) speech and blessed us for the future _____ (4). On behalf of our graduating class, our class representative extended a vote of thanks to show _____ (5) to all staff members. One of the parents expressed their experiences and views. At last, all the students, parents and staff members had lunch together.

Question 22 :

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



Difficulty : Moderate

Average Time : 94 Seconds

Options :

1. lighting
2. lightening
3. sparking
4. glittering

Solution :

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

- The context in the passage suggests that it's the beginning of the graduation ceremony. The ceremony starts with '**lighting**' the lamp.
- The word '**lighting**' is referred to as *illumination*.

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. Our school organised a graduation day to award certificates to the students. The graduation day highlights the overall achievements of students. All the students who are being graduated are invited formally with their parents. Students wore their attire according to the dress code given to them by the school administration. High school graduation _____ (1) is one of the most awaited and last event of any school. The function began with _____ (2) the lamp, followed by the distribution of certificates in a very systematic way. Our principal made a long and _____ (3) speech and blessed us for the future _____ (4). On behalf of our graduating class, our class representative extended a vote of thanks to show _____ (5) to all staff members. One of the parents expressed their experiences and views. At last, all the students, parents and staff members had lunch together.

Question 23 :

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

Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. self-praising
2. encouraging
3. boring
4. depressing

**Solution :**

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

- The context in the passage suggests that the principal made an encouraging speech after the distribution of certificates to inspire the students for their bright future.
- The word '**encouraging**' means to *inspire*.
- The other options suggest otherwise.

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. Our school organised a graduation day to award certificates to the students. The graduation day highlights the overall achievements of students. All the students who are being graduated are invited formally with their parents. Students wore their attire according to the dress code given to them by the school administration. High school graduation _____(1) is one of the most awaited and last event of any school. The function began with _____ (2) the lamp, followed by the distribution of certificates in a very systematic way. Our principal made a long and _____ (3) speech and blessed us for the future _____ (4). On behalf of our graduating class, our class representative extended a vote of thanks to show _____ (5) to all staff members. One of the parents expressed their experiences and views. At last, all the students, parents and staff members had lunch together.

Question 24 :

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

Difficulty : Moderate

Average Time : 86 Seconds

Options :

1. **endeavours**
2. **neglects**
3. **entertainments**
4. **ruins**

Solution :

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

- From the context, we understand that the principal gave an encouraging speech to the students. The principal motivates the students to strive hard to reach their goal.
- **Endeavours** mean to try hard.
- The complete statement will be. *our principal made a long and encouraging speech and blessed us for the future endeavours.*

**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. Our school organised a graduation day to award certificates to the students. The graduation day highlights the overall achievements of students. All the students who are being graduated are invited formally with their parents. Students wore their attire according to the dress code given to them by the school administration. High school graduation _____(1) is one of the most awaited and last event of any school. The function began with _____ (2) the lamp, followed by the distribution of certificates in a very systematic way. Our principal made a long and _____ (3) speech and blessed us for the future _____ (4). On behalf of our graduating class, our class representative extended a vote of thanks to show _____ (5) to all staff members. One of the parents expressed their experiences and views. At last, all the students, parents and staff members had lunch together.

Question 25 :

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

Difficulty : Moderate**Average Time : 91 Seconds****Options :**

1. gracious
2. gratitude
3. courteous
4. greet

Solution :

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

- **Gratitude** means the feeling of being grateful or of wanting to give your thanks to somebody.
- The context suggests that the class representative extended his regards towards the staff members to show his gratitude.

Question 26 :

Select the triad in which the numbers are related in the same way as are the numbers of the following triads. 6 - 7 - 42 8 - 13 - 104 (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)

Difficulty : Moderate**Average Time : 58 Seconds****Options :**



5 - 15 - 125

2. 6 - 4 - 72

3. 12 - 11 - 132

4. 9 - 5 - 24

Solution :

The correct answer is **Option 3. i.e. 12 - 11 - 132.**

Logic : First number x Second number

$$6 - 7 - 42 = 6 \times 7 = 42$$

$$8 - 13 - 104 = 8 \times 13 = 104$$

Similarly, Option 3 follows the same logic

$$12 - 11 - 132 = 12 \times 11 = 132$$

Hence , **12 - 11 - 132** is the correct answer.

Question 27 :

Four number pairs have been given, out of which three are alike in some manner and one is different. Select the one that is different.

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

1. 17 - 54

2. 19 - 60

3. 15 - 48

4. 14 - 42

Solution :

The correct answer is **Option 4. i.e. 14 - 42.**

Logic : (First number x 3) + 3

$$14 - 42 = 14 \times 3 + 3 = 42 + 3 = 45$$

Thus , Option 4 is the different one.

Hence ,14 - 42 is the correct answer.

Question 28 :

Identify the figure given in the options which when put in place of the question mark (7) will logically complete the series.

Difficulty : Moderate

Average Time : 42 Seconds

Options :

- 1.
- 2.
- 3.
- 4.

Solution :



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

The given series follows the pattern :



- The portion having criss cross lines rotates in the clockwise direction skipping one portion at a time in a circle.



The portion having small circles rotates in the anti-clockwise direction skipping one portion at a time in a circle.

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

Question 29 :

Based on the alphabetical order, three of the following four are alike in a certain way and thus form a group. Which is the one that does NOT belong to that group?

Difficulty : Moderate

Average Time : 84 Seconds

Options :

1. JQN
2. ELI
3. ZGD
4. NXR

Solution :

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

Logic : First letter + 4 = Third letter , Third letter + 3 = Second letter

NXR

$$N + 4 = R , R + 3 = U$$

Thus, Option 4 is the odd one out as it does not follow the given logic.

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

Question 30 :

Three of the following four are alike in a certain way and thus form a group Which is the one that does NOT belong to that group? (1) 16 - 256 (2) 19 - 371 (3) 14 - 196 (4) 17 - 289

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 1
2. 3
3. 4

2

Solution :

The correct answer is **Option 4. i.e. 2.**

Logic : Second Number = (First Number)²

(2)19 - 371

(19)² = 361

Thus , Option 4 is the odd one out.

Hence, **Option 4 i.e. 2** is the correct answer.

Question 31 :

How many triangles are there in the given figure?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. 9

2. 6

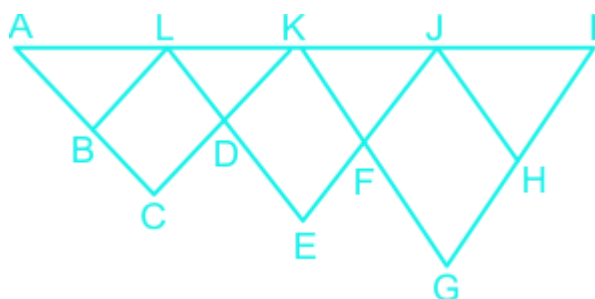
3. 7

4. 8

Solution :

The correct answer is **Option 3. i.e. 7.**

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 = ABL , LDK , KFJ , JHI , ACK , LEJ and KGI.

Hence, the correct answer is 7.

Question 32 :

In a certain code language. 'LEVITATE' is coded as 'IVELETAT' and 'INACTIVE' is coded as 'CANIEVIT'. What will be the code for 'HIGHNESS' in the given code language?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. SSENHGIH
2. NHGHSSE
3. HGIHSSSEN
4. NEHIGSSE

Solution :

The correct answer is **Option 3. i.e. HGIHSSSEN.**

Logic : First and Second half of the word are arranged in the reverse order

'LEVITATE' is coded as 'IVELETAT'

LEVI IVEL

TATE ETAT

'INACTIVE' is coded as 'CANIEVIT'

INAC CANI

TIVE EVIT

Similarly ,

'HIGHNESS' be coded as

HIGH HGIH

NESS SSEN

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

Question 33 :

'IKLN' is related to 'FHIK' in a certain way based on the English alphabetical order. In the same way, 'GIJL' is related to

'DFGI'. To which of the following is 'MOPR' related, following the same logic?

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. JMOP
2. JKMO
3. JLMO
4. JLNO

Solution :

The correct answer is **Option 3. i.e. JLMO.**

Logic : Every letter - 3

'IKLN' is related to 'FHIK'

I - 3 = F

K - 3 = H

L - 3 = I

N - 3 = K

'GIJL' is related to 'DFGI'

G - 3 = D

I - 3 = F

J - 3 = G

L - 3 = I

Similarly,

'MOPR' related

M - 3 = J

O - 3 = L

P - 3 = M

R - 3 = O



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

Question 34 :

What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged? $36 \div 7 - 240 \times 6 + 11 = ?$

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. 281
2. 291
3. 279
4. 284

Solution :

The correct answer is **Option 1. i.e. 281.**

Given Equation : $36 \div 7 - 240 \times 6 + 11 = ?$

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

$$36 \times 7 + 240 \div 6 - 11$$

$$36 \times 7 + 40 - 11$$

$$252 + 40 - 11$$

$$292 - 11$$

$$281$$

Hence, **281** is the correct answer.

Question 35 :

LQTU is related to JORS in a certain way based on the English alphabetical order. In the same way. CHKL is related to AFIJ. Which of the following is OTWX related to. following the same logic”

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. MRTU



NSVW

3. MRUV

4. MQTU

Solution :

The correct answer is **Option 3. i.e. MRUV.**

Logic : Every letter - 2

LQ TU is related to JORS

$$L - 2 = J$$

$$Q - 2 = O$$

$$T - 2 = R$$

$$U - 2 = S$$

CHKL is related to AFIJ

$$C - 2 = A$$

$$H - 2 = F$$

$$K - 2 = I$$

$$L - 2 = J$$

Similarly,

OTWX related to

$$O - 2 = M$$

$$T - 2 = R$$

$$W - 2 = U$$

$$X - 2 = V$$

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

Question 36 :

In a certain code language, 'M × N' means 'M is the father of N'. 'M + N' means 'M is the wife of N', 'M ÷ N' means 'M is the daughter of N', 'M - N' means 'M is the son of N'. Based on the above, how is P related to T, if P - Q × R + S × T ? P - Q × R + S × T

Difficulty : Moderate

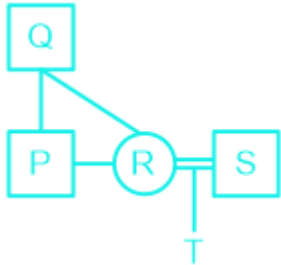
Average Time : 76 Seconds

Options :

1. Mother's brother
2. Sister's son
3. Brother
4. Mother's father

Solution :

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



P is T's **Mother's brother**.

Question 37 :

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

__VZ_V_V_ZV__ _V.

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. VZVVZZZZ
2. VZZVVZZZ
3. ZVVZVVZV
4. ZVZZVZZZ

Solution :

The correct answer is **Option 3** i.e. **ZVVZVVZV**.

Given Sequence : __ V Z _ V _ V _ Z V _ _ _ V

Putting Option 3 completes the sequence

Z V V Z V V Z V

Z V V / Z V V / Z V V / Z V V / Z V V

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

Question 38 :

The position of how many letters will remain unchanged if each of the letter in the word 'FLOWERY' is arranged in alphabetical order?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. One
2. Four
3. Three
4. Two

Solution :

The correct answer is **Option 1. i.e. One.**

Given : 'FLOWERY'

When alphabets are arranged in the alphabetic order :

EFLORWY

Only one letter remains unchanged i.e. Y.

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

Question 39 :

Which term from among the given options can replace the question mark (?) in the following series to make it logically complete? WG 12, UE 15, ?, QA 721, OY 24

Difficulty : Moderate

Average Time : 47 Seconds

Options :



QC 19

2. QD 17

3. SC 18

4. RD 19

Solution :

The correct answer is **Option 3. i.e. SC 18.**

Given Series : WG 12, UE 15, ?, QA 721, OY 24

Logic : Letter - 2 (Alphabetic position) , Number + 3

W - 2 = U , G - 2 = E , 12 + 3 = 15 UE15

U - 2 = S , E - 2 = C , 15 + 3 = 18 **SC18**

Hence , **SC 18** is the correct answer.

Question 40 :

What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged? $12 \div 182 \times 14 - 67 + 19 = ?$

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 204

2. 216

3. 187

4. 199

Solution :

The correct answer is **Option 1. i.e. 204.**

Given Equation : $12 \div 182 \times 14 - 67 + 19 = ?$

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

$$12 \times 182 \div 14 + 67 - 19 = ?$$

$$12 \times 13 + 67 - 19$$



156 + 67 - 19

223 - 19

204

Hence, **204** is the correct answer.

Question 41 :

If it is Wednesday on 13 September 2023, then what will be the day of the week on 30 August 2030?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

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

Solution :

The correct answer is **Option 1. i.e. Friday.**

Given : 13 September 2023 is Wednesday.

2023 to 2030 = 7 Years (2 Leap year = 2024, 2028) and 5 (Ordinary Years)

Total odd days from 13 September 2023 to 13 September 2030 = (2 x 2) + (5 x 1) = 4 + 5

= 9 days (1week and 2 odd days)

So , 13 Septmeber 2030 will be Wednesday + 2 = Friday

We need to Subtract 14 days to from 13 September 2030 to find the day on 30 August 2030.

And 14 days = 2 weeks and 0 odd days

Therefore , 30 August 2030 = Friday

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

Question 42 :

In a certain code language, 'CHARISMA' is coded as '80' and 'PERFECTION' is coded as '121'. How will 'CREATION' be coded in that language?



Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. 93
2. 91
3. 87
4. 85

Solution :

The correct answer is **Option 1. i.e. 93.**

Logic : Sum of letters (Alphabetic position) + Numbers of letters

'CHARISMA' is coded as '80'

$$(3 + 8 + 1 + 18 + 9 + 19 + 13 + 1) + 8 = 72 + 8 = 80$$

'PERFECTION' is coded as '121'

$$(16 + 5 + 18 + 6 + 5 + 3 + 20 + 9 + 15 + 14) + 10 = 111 + 10 = 121$$

Similarly ,

'CREATION'

$$(3 + 18 + 5 + 1 + 20 + 9 + 15 + 14) + 8 = 85 + 8 = 93$$

Hence, **93** is the correct answer.

Question 43 :

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 definitely follow.'s from the given statements. Statements: Some Ducks are Chickens. Some Chickens are Eggs. All Eggs are Omelettes.

Conclusions: (1) Some Ducks are Eggs. (II) Some Chickens are Omelettes.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

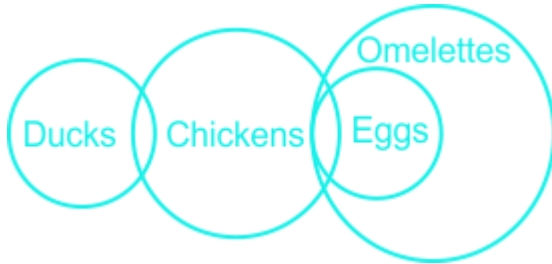
1. Both conclusions (I) and (II) definitely follow.
2. Only conclusion (I) definitely follows.
3. Both conclusions (I) and (II) definitely do not follow.

Only conclusion (II) definitely follows.

Solution :

The correct answer is **Option 4. i.e. Only conclusion (II) definitely follows.**

The Least Possible Venn Diagram will be :



Conclusion :

(I) Some Ducks are Eggs. False (It is possible but not definite)

(II) Some Chickens are Omelettes. True (As some chickens are eggs and all eggs are omelletes so those part of chicken which are eggs will also be omeletes.)

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

Question 44 :

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

Difficulty : Moderate

Average Time : 66 Seconds

Options :

- 1.
- 2.
- 3.
- 4.

Solution :

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

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 45 :

Which of the following letter-clusters will replace the question mark (?) in the given series to make it logically complete?
PSU, GBL, ?, OTT, FCK

Difficulty : Moderate

Average Time : 83 Seconds

Options :

1. ATC
2. UBH
3. XKC
4. ZKG

Solution :

The correct answer is **Option 3. i.e. XKC.**

Given : PSU, GBL, ?, OTT, FCK

Logic : First letter - 9 , Second letter + 9 , Third letter - 9

$$P - 9 = G$$

$$S + 9 = B$$

$$U - 9 = L$$

$$G - 9 = X$$

$$B + 9 = K$$

$$L - 9 = C$$

Thus , XKC completes the series.

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

Question 46 :

Which number from among the given options can replace the question mark (?) in the following series? 4, 16, 13, ?, 49, 196

Difficulty : Moderate

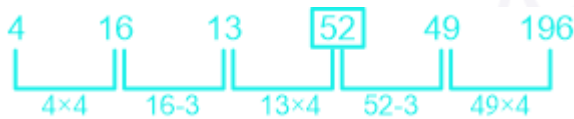
Average Time : 54 Seconds

Options :

1. 38
2. 31
3. 44
4. 52

Solution :

The correct answer is **Option 4**. i.e. **52**.

**Question 47 :**

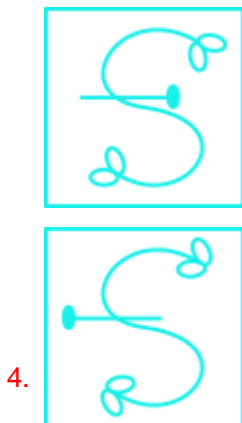
Select the correct mirror image of the given figure when the mirror is placed at MN as shown.

Difficulty : Moderate

Average Time : 37 Seconds

Options :

- 1.
- 2.

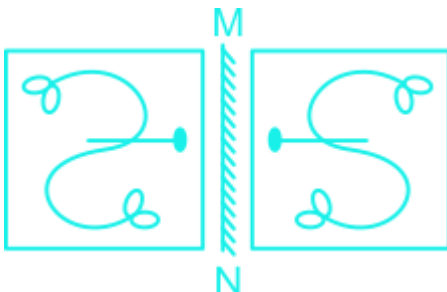


Solution :



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

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 2** is the correct answer.

Question 48 :

Which number will replace the question mark (?) to complete the given series? 5, 7, 11, ?, 35, 67

Difficulty : Moderate

Average Time : 80 Seconds

Options :



19

2. 15

3. 13

4. 17

Solution :

The correct answer is **Option 1. i.e. 19.**

Given Series : 5, 7, 11, ?, 35, 67

Logic : Adding power of 2

$$5 + (2)^1 = 7$$

$$7 + (2)^2 = 11$$

$$11 + (2)^3 = 19$$

$$19 + (2)^4 = 35$$

$$35 + (2)^5 = 67$$

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

Question 49 :

P is the wife of Q. P is the mother of S. S and T are sisters. L is the brother of T. T is the wife of M. D is the mother of Q. How is D related to L?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

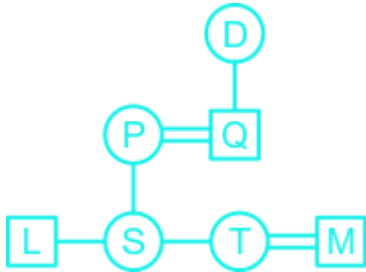
1. **Father's mother**
2. Mother
3. Sister
4. Mother's father

Solution :

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

Given : P is the wife of Q. P is the mother of S. S and T are sisters. L is the brother of T. T is the wife of M. D is the mother of Q

The Family Tree shown below :



Thus , D is the mother of Father of L.

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

Question 50 :

20 is related to 30 following a certain logic. Following the same logic, 42 is related to 56. To which of the following is 72 related, following the same logic?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 94
2. 92
3. 88
4. 90

Solution :

The correct answer is **Option 4. i.e. 90.**

Logic : Numerator and denomination both increases by 1 for next numbers

20 is related to 30

$$20 \times \left(\frac{3}{2} \right) = 30$$

42 is related to 56

$$42 \times \left(\frac{4}{3} \right) = 56$$

72 related to

$$72 \times \left(\frac{5}{4} \right) = 90$$

Hence , **90** is the correct answer.



-1

4. 2

Solution :

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

Given that

the expression $\left(\frac{x^2-1}{x-1} - \frac{x^2-9}{x-3} \right)$

$\left(\frac{x^2-1}{x-1} - \frac{x^2-9}{x-3} \right)$

$\left(\frac{(x+1)(x-1)}{x-1} - \frac{(x+3)(x-3)}{x-3} \right)$

$x + 1 - x - 3$

-2

Question 53 :

Two years ago, the population of a small town was 60,000. It increased by 5% in the first year, but due to the pandemic. It decreased by 10% in the second year. What is its present population (after the end of 2 years)?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 56,700

2. 56,900

3. 3300

4. 55,700

Solution :

The correct answer is **Option 1** i.e. **56,700**.

Given that

The population of a small town was 60,000

It increased by 5% in the first year and It decreased by 10% in the second year

According to the question

The population after 2 years = $60000 \times \frac{105}{100} \times \frac{90}{100} = 56700$

Question 54 :

If a man purchases kismis at ₹1320 per kg and sells it at ₹16 per 25 grams. then his profit/loss percentage is:

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 20% loss
2. 25% loss
3. 25% profit
4. 20% profit

Solution :

The correct answer is **Option 2** i.e. **25% loss**.

Given that

If a man purchases kismis at ₹1320 per kg and sells it at ₹16 per 25 grams

According to the question

C.P. = ₹1320 per kg

S.P. = ₹16 × 40 per kg = ₹1240 per kg

So, Loss = C.P. - S.P. = 320 - 240 = ₹180

Hence, Loss % = $(\text{loss}/\text{C.P.}) \times 100 = 8000/320 = 25\%$

Question 55 :

Kapil initiated a business with an investment of ₹1 30,00,000 in April 2022. After six months, his friend Kunal joined him With an investment of ₹1 25,00,000. In February 2023 Kapil's Ex — Class fellow Saloni also invested an amount equal to the total investment made by the earlier two partners. In what ratio will the profit earned after 3 years from the date on which Kapil initiated the business be distributed?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 332 : 200 : 50
2. 108 : 75 : 143
3. 432 : 300 : 55
4. 432 : 400 : 55

**Solution :**

The correct answer is **Option 2** i.e. **108: 75: 143**.

Given that

Kapil invested in April 2022 = ₹ 30,00,000

After six months, his friend Kunal joined him With an investment of ₹ 25,00,000

In February 2023, Saloni invested = 300000 + 2500000 = ₹ 1,5500000

Time period of investing money by Kapil = 36 months

Time period for Kunal = 30 months

Time period for Saloni = 26 months

Concept used

Profit investment × time

Calculation

The ratio of profit Kapil, Kunal and Saloni

$$(300000 \times 36) : (2500000 \times 30) : (5500000 \times 26)$$

$$108 : 75 : 143$$

Question 56 :

A can do a piece of work in 12 days and B can do the same work in 15 days. If both do the work together, then in how many days will the work be completed?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. $\frac{7}{3}$

2. $\frac{6}{3}$

3. $\frac{5}{3}$

4. $\frac{8}{3}$

Solution :

The correct answer is **Option 2** i.e. $\frac{6}{3}$.

Given that

A can do a piece of work in 12 days

B can do the same work in 15 days

Total works = LCM (12, 15) = 60

The efficiency of A = $60 / 12 = 5$

The efficiency of B = $60 / 15 = 4$

Hence, the work is completed by A and B together in = $60 / (4 + 3) = 60 / 7 = \frac{60}{7}$ days

Question 57 :

In a triangle ABC, side BC is produced to D such that $\angle ACD = 127^\circ$. If $\angle ABC = 35^\circ$, then find $\angle BAC$.

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

1. 82°
2. 92°
3. 95°
4. 75°

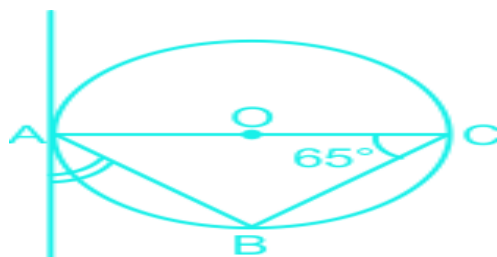
Solution :

The correct answer is **Option 2** i.e. 92°

Given that

In a triangle ABC, side BC is produced to D

$\angle ACD = 127^\circ$. If $\angle ABC = 35^\circ$,



According to the question

$$\angle ABC + \angle BAC = \angle ACD$$

$$\angle BAC = 127^\circ - 35^\circ = 92^\circ$$

**Question 58 :**

The following table gives the marks scored by 4 students in 4 unit tests of English. Read the table carefully and answer the question that follows. Name Unit Test 1 Unit Test 2 Unit Test 3 Unit Test 4 Rani 20 22 23 24 Raju 22 18 24 20 Ravi 24 22 20 24 Rekha 20 21 22 23 Whose average marks are the highest among the 4 students?

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. Rani
2. Ravi
3. Raju
4. Rekha

Solution :

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

Given that

The average marks of Rani = $(20 + 22 + 23 + 24)/4 = 89/4$

The average marks of Ravi = $(24 + 22 + 24 + 20)/4 = 90/4$

The average marks of Raju = $(22 + 18 + 24 + 20)/4 = 84/4$

The average marks of Rekha = $(20 + 21 + 22 + 23)/4 = 86/4$

Hence, the highest average marks of Ravi

Question 59 :

A boy covers a certain distance between his house and school on a cycle. Riding on an average speed of 15 km/h, he is late by 10 min. However, with an average speed of 20 km/h, he reaches the school 35 min earlier. Find the distance between his house and school.

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 25 km
2. 20 km
3. 15 km



30 km

Solution :

The correct answer is **Option 3. i.e. 15 km.**

Given that

Riding on an average speed of 15 km/h, he is late by 10 min

Riding an average speed of 20 km/h, he reaches the school 5 min earlier

Let the distance between his house and school be D

Formula used

Distance = Speed × Time

According to the question

$$D/15 - 10/60 = D/20 + 5/60$$

$$D/15 - D/20 = (5 + 10)/60$$

$$D(4 - 3)/60 = 5/60$$

$$D = 5 \text{ km}$$

Question 60 :

The value of the expression $4(\sin^6 A + \cos^6 A) - 6(\sin^4 A + \cos^4 A) + 8$ is:

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. 4

2. 8

3. 7

4. 6

Solution :

The correct answer is **option 4** i.e. **6**

Given that

The expression $4(\sin^6 A + \cos^6 A) - 6(\sin^4 A + \cos^4 A) + 8$



$$\begin{aligned} &4(\sin^6 A + \cos^6 A) - 6(\sin^4 A + \cos^4 A) + 8 \\ &4(1 - 3\sin^2 A \cos^2 A) - 6(1 - 2\sin^2 A \cos^2 A) + 8 \\ &4 - 12\sin^2 A \cos^2 A - 6 + 12\sin^2 A \cos^2 A + 8 \\ &4 - 6 + 8 \\ &6 \end{aligned}$$

Question 61 :

The sum of the radius of the base and the height of a cylinder is 42 m. If the total surface area of the cylinder is 6336 mm², find the curved surface area of the cylinder, correct to two places of decimals (use $(\frac{22}{7})$).

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

1. 2157.43 m²
2. 2571.43 m²
3. 2715.43 m²
4. 2517.43 m²

Solution :

The correct answer is **option 3** i.e. **2715.43 m²**

Given that.

$$\text{Radius (r) + Height (h) = 42 m}$$

The total surface area of the cylinder is 6336 m²,

Formula used

$$\text{Total surface area of cylinder} = 2r(r + h)$$

$$\text{Curved surface area (CSA) of cylinder} = 2rh \text{ sq. units}$$

Calculation

$$2r(r + h) = 6336$$

$$2 \times (\frac{22}{7}) \times r \times 42 = 6336$$

$$r = 24 \text{ m}$$

So, $h = 42 - 24 = 18$ m

Hence, CSA of cylinder = $2 \times (22/7) \times 24 \times 18 = 2715.43 \text{ m}^2$

Question 62 :

If $\cos(A = \frac{63}{65})$ then find the value of $\tan A + \cot A$ (up to two places of decimal).

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 4.19
2. 2.76
3. 3.19
4. 5.23

Solution :

The correct answer is **option 1** i.e. **4.19**.

Given that

If $\cos(A = \frac{63}{65})$,

the value of $\tan A + \cot A$

$$\cos(A = \frac{63}{65}) = B/H$$

By pythagoras theorem

$$B^2 + P^2 = H^2$$

$$P^2 = 65^2 - 63^2 = 256$$

$$P = 16$$

Hence, $\tan A + \cot A = P/B + B/P = 16/65 + 65/16 = 4.19$

Question 63 :

The ratio of cost price (CP) and marked price (MP) of an article is 4 : 7. A discount of 20% is given on MP and the shopkeeper made a profit of ₹ 80. Find the CP of the article.

Difficulty : Moderate

Average Time : 56 Seconds

Options :



1. ₹ 190
2. ₹ 170
3. ₹ 200
4. ₹ 180

Solution :

The correct answer is **Option 3** i.e. ₹ 200.

Given that

The ratio of cost price (CP) and marked price (MP) of an article = 4 : 7

A discount of 20% is given on MP

Profit = ₹ 80

Let the cost price and marked price of the article be $4x$ and $7x$ respectively

According to the question

$$\text{S.P.} = 7x \times 80/100 = 5.6x$$

$$\text{Profit} = \text{S.P.} - \text{C.P.}$$

$$80 = 5.6x - 4x = 1.6x$$

$$x = 80/1.6 = 50$$

Hence, the C.P. of the article = $4x = 4 \times 50 = ₹ 200$

Question 64 :

Simplify the given expression. $\frac{4[(17)^3 - (7)^3]}{(17)^2 + (7)^2 + 119}$

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. 40
2. 50
3. 60
4. 30

Solution :



The correct answer is **Option 1** i.e. **40**.

Given that

$$\frac{4[(17)^3 - (7)^3]}{(17)^2 + (7)^2 + 119}$$

As we know,

$$a^3 - b^3 = (a - b)(a^2 + ab + b^2)$$

$$\frac{4[(17-7)(17)^2 + (7)^2 + 119]}{(17)^2 + (7)^2 + 119}$$

$$4(17 - 7)$$

$$4 \times 10$$

$$40$$

Question 65 :

AB = 12 cm and CD = 6 cm are two parallel chords on the same side of the centre of a circle. If the distance between them is 2 cm, then the radius (in cm) of the circle is:

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. $\frac{\sqrt{265}}{4}$
2. $\frac{\sqrt{256}}{4}$
3. $\frac{\sqrt{156}}{4}$
4. $\frac{\sqrt{198}}{4}$

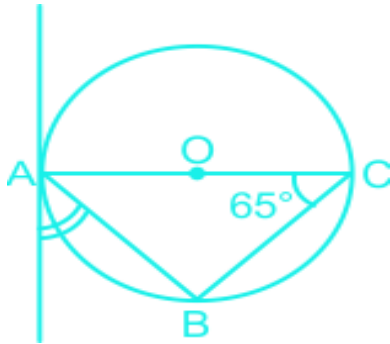
Solution :

The correct answer is **Option 1**. i.e. $\frac{\sqrt{265}}{4}$.

Given that

AB = 12 cm and CD = 6 cm are two parallel chords on the same side of the centre of a circle

the distance between them PQ = 2 cm



According to the question

$$AP = AB/2 = 12/2 = 6 \text{ cm}$$

$$CQ = CD/2 = 6/2 = 3 \text{ cm}$$

In triangle AOP,

$$OA^2 = OP^2 + AP^2$$

$$r^2 = OP^2 + 36 \dots(1)$$

Similarly,

In triangle OCQ,

$$OC^2 = OQ^2 + CQ^2$$

$$r^2 = (OP + 2)^2 + 9$$

Equation 1 = Equation 2

$$OP^2 + 36 = (OP + 2)^2 + 9 = OP^2 + 4 + 4OP + 9$$

$$4OP = 36 - 13 = 23$$

$$OP = 23/4$$

$$\text{Hence, } r^2 = OP^2 + 36 = (23/4)^2 + 36 = 1105/16$$

$$r = \left(\frac{\sqrt{265}}{4}\right) \text{ cm}$$

Question 66 :

The below bar graph show's the marks obtained by a student in an examination. What is the average mark obtained by the student?

Difficulty : Moderate

Average Time : 92 Seconds

**Options :**

1. 50
2. 60
3. 80
4. 30

Solution :

The correct answer is **option 2** i.e. **60**.

Given that

The mark obtained by the student in all subjects = $70 + 60 + 40 + 50 + 80 = 300$

According to the question

The average mark obtained by the student = $300/5 = 60$

Question 67 :

The pie-chart given here shows the spending of a country on various sports during a year. Study the graph carefully to answer these questions. If the total amount spent on sports during the year was ₹ 1,50,00,000. then the amount spent on Cricket and hockey together was:

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. ₹ 60,00,000
2. ₹ 75,00,000
3. ₹ 50,00,000
4. ₹ 37,50,000

Solution :

The correct answer is **Option 1** i.e. **₹ 60,00,000**.

Given that

The total amount spent on sports during the year was ₹ 1,50,00,000

The percentage of money spent on Cricket and hockey together = $20 + 20 = 40\%$

According to the question



The amount spent on Cricket and hockey together = $15000000 \times 40/100 = \text{â,}16000000$

Question 68 :

If $\sin - \cos = \left(\frac{1}{5}\right)$, then find the value of $\sin + \cos$.

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

1. $\left(\frac{5}{7}\right)$
2. $\left(\frac{7}{5}\right)$
3. $\left(\frac{5}{3}\right)$
4. $\left(\frac{3}{5}\right)$

Solution :

The correct answer is **option 2** i.e. $\left(\frac{7}{5}\right)$.

Given that

$$\sin - \cos = \left(\frac{1}{5}\right),$$

Sqaure both sides

$$\sin^2 + \cos^2 - 2\sin \cos = 1/25$$

$$1 - 2\sin \cos = 1/25$$

$$2\sin \cos = 1 - 1/25 = 24/25$$

As we know,

$$(\sin + \cos)^2 = \sin^2 + \cos^2 + 2\sin \cos = 1 + 24/25 = 49/25$$

$$\sin + \cos = 7/5$$

Question 69 :

A number when divided by 78 gives the quotient 280 and the remainder 0. If the same number is divided by 65. what Will be the value of the remainder?

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

1. 1

3

3. 0

4. 2

Solution :

The correct answer is **option 3** i.e. **0**.

Given that

A number when divided by 78 gives the quotient 280 and the remainder 0

Formula used

Dividend = Divisor x Quotient + Remainder

Calculation

Dividend = $78 \times 280 + 0 = 21840$

Hence, 21840 is divided by 65, the remainder is 0

Question 70 :

Aman deposited ₹ 10,000 at simple interest in a fund. The interest rate on the fund increases by 4% every year. If the interest rate at the time of the amount deposit was 8%. What is the interest earned (in ₹) by him after 5 years?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 6,000

2. 8,400

3. 5,800

4. 8,000

Solution :

The correct answer is **Option 4** i.e. **8,000**.

Given that

Aman deposited ₹ 10,000 at simple interest in a fund

The rate of interest = 8% p.a.



The interest increases by 4% every year

Time = 5 years

Formula used

S.I. = $PRT/100$

P = Principal, R = rate of interest, T = time

According to the question

For the 5 years, the rate of interest = 8%, 12%, 16%, 20%, and 24% consecutively

Total S.I. after 5 years = $10000 \times 8/100 + 10000 \times 12/100 + 10000 \times 16/100 + 10000 \times 20/100 + 10000 \times 24/100$

= $800 + 1200 + 1600 + 2000 + 2400$

= ₹ 8000

Question 71 :

Find the average of the prime numbers lying between 51 and 77.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 65

2. 64

3. 67

4. 66

Solution :

The correct answer is **option 2** i.e. **64**.

Given that

The prime number between 51 and 77

53, 59, 61, 67, 71, 73

There are 6 prime numbers between them

So, the sum of these prime numbers = $53 + 59 + 61 + 67 + 71 + 73 = 384$

Hence, the required average = $384/6 = 64$

**Question 72 :**

A shopkeeper marked a product, 5% above the cost price and sold the product for ₹1,1890 by giving a discount of 10%. The cost price of the product is:

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

1. ₹1,701
2. ₹12,100
3. ₹2,000
4. ₹2,205

Solution :

The correct answer is **Option 3** i.e. ₹2,000.

Given that

A shopkeeper marked a product, 5% above the cost price

He sold the product for ₹1,1890 by giving a discount of 10%

Let the cost price of a product be 100 units

According to the question

The marked price of product = $100 + 5 = 105$ units

The selling price after getting discount of 10% = $105 \times 0.9 = 94.5$ units

$94.5 \text{ units} = ₹1,1890$

$100 \text{ units} = 1,1890 \times 100/94.5 = ₹12,000$

Hence, the cost price of the product is ₹12,000

Question 73 :

AB is the chord of the circle, and AOC is its diameter, such that $\angle ACB = 65^\circ$. If AT is the tangent to the circle at point A, then angle BAT is equal to:

Difficulty : Moderate**Average Time : 58 Seconds****Options :**

1. 65°

75°

3. 55°

4. 40°

Solution :

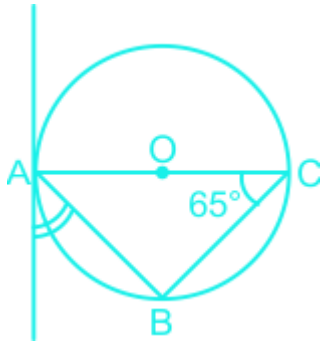
The correct answer is **Option 1** i.e. **65°**.

Given that

AB is the chord of the circle, and AOC is its diameter, such that $\angle ACB = 65^\circ$

AT is the tangent to the circle at point A

According to the question



As we know, Diameter makes a 90° angle on circumference of circle

$$\angle ABC = 90^\circ$$

$$\text{Hence, } \angle BAT = \angle ACB + \angle ABC = 65^\circ + 90^\circ = 155^\circ$$

Question 74 :

The population of a village was 12,000 two years ago. If it increased by 2.5% and 3%, respectively, in the last two years, then what is the present population of the village?

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. 12,669

2. 12,607

3. 12,652

12,731

Solution :

The correct answer is **option 1** i.e. **12,669**.

Given that

The population of a village was 12,000 two years ago

If it increased by 2.5% and 3%, respectively

Let the present population of the village be X

According to the question

$$X = 12000 \times (100 + 2.5)/100 \times (100 + 3)/100$$

$$X = 1.2 \times 102.5 \times 103$$

$$X = 12669$$

Question 75 :

The length of each side of an equilateral triangle is 22 cm. Find the area (in cm²) of this triangle.

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 121

2. $242\sqrt{3}$

3. $\sqrt{121\sqrt{3}}$

4. 242

Solution :

The correct answer is **Option 3** i.e. $\sqrt{121\sqrt{3}}$.

Given that

The length of each side of an equilateral triangle is 22 cm

Formula used

$$\text{Area of an equilateral triangle} = \frac{\sqrt{3}}{4} \times (\text{side})^2$$

Calculation



$$\text{Area} = \frac{\sqrt{3}}{4} \times (22)^2 = \frac{\sqrt{3}}{4} \times 484 = 121\sqrt{3} \text{ cm}^2$$

Question 76 :

Which river basin originates from the Western Ghats range of Karnataka state and has many tributaries such as the Noyyal, Kabunui. Arkavath: and Amaravati?

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

1. Sabarmati
2. Brahmani
3. Kaveri
4. Periyar

Solution :

The correct answer is **Option 3 i.e. Kaveri.**

- The river basin described here originates from the Western Ghats range of Karnataka state is the Kaveri (Cauvery) River basin. It has many tributaries, including the ones you mentioned such as the Noyyal, Kabini, Arkavathi, and Amaravati.
- The Kaveri River is one of the major rivers of southern India, flowing through Karnataka and Tamil Nadu before emptying into the Bay of Bengal.

Question 77 :

Which s-block element is a silvery-white metal that is used in an alloy with copper or nickel to make gyroscopes. springs. electrical contacts, spot-welding electrodes, and non-sparking equipment?

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

1. Beryllium
2. Rubidium
3. Francium
4. Caesium

Solution :

The correct answer is **Option 1 i.e. Beryllium.**



The s-block element described here is Beryllium (Be). It is a silvery-white metal that is used in various applications, including alloying with copper or nickel to make gyroscopes, springs, electrical contacts, spot-welding electrodes, and non-sparking equipment.

Question 78 :

Who among the following personalities was appointed as the legal advisor of the Constituent Assembly that drafted the document of the Constitution?

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

1. HVR Iyengar
2. SN Mukherjee
3. BR Ambedkar
4. BN Rau

Solution :

The correct answer is **Option 4 i.e. BN Rau.**

- BN Rau was appointed as the legal advisor of the Constituent Assembly that drafted the document of the Constitution.
- Benegal Narsing Rau was indeed appointed as the Constitutional Advisor to the Constituent Assembly of India. He played a crucial role in providing legal expertise and advice during the drafting of the Indian Constitution.

Question 79 :

India won their first women's under-19 T20 Cricket World Cup 2023 by defeating:

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

1. Australia
2. South Africa
3. Sri Lanka
4. England

Solution :

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



India won their first women's under-19 T20 Cricket World Cup in 2023 by defeating England, that would be a significant achievement for the Indian cricket team.

Question 80 :

Which gas is the major component of biogas ?

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. CNG
2. Methane
3. Hydrogen
4. LPG

Solution :

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

- The major component of biogas is methane (CH₄).
- Biogas is primarily composed of methane, along with varying amounts of carbon dioxide (CO₂) and small traces of other gases such as hydrogen sulfide (H₂S) and nitrogen (N₂), depending on the feedstock and production process.

Question 81 :

What is the total route length of the Indian Railways (as of March 2020)?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 67,956 km
2. 63,950 km
3. 91,604 km
4. 82,402 km

Solution :

The correct answer is **Option 1 i.e. 67,956 km.**

Total route length of the Indian Railways (as of March 2020) is 67,956 km.

Question 82 :

Mohiniyattam is a dance form of which state?

Difficulty : Moderate

Average Time : 33 Seconds

Options :

1. West Bengal
2. Tamil Nadu
3. Maharashtra
4. Kerala

Solution :

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

- Mohiniyattam is a traditional dance form that originated in the state of Kerala, India. It is one of the eight classical dance forms of India and is known for its graceful movements, subtle expressions, and vibrant costumes.

Question 83 :

Which music director is popularly known as 'Pancham'?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Khayyam
2. S D Burman
3. R D Burman
4. Anu Malik

Solution :

The correct answer is **Option 3 i.e. R D Burman.**

- The music director popularly known as "Pancham" is Rahul Dev Burman. He was an acclaimed music composer and singer in the Indian film industry, particularly renowned for his innovative compositions and experimental approach to music.

Question 84 :

Based on the recommendations of which Committee was the creation of a separate category for NBFCs operating in the microfinance sector (NBFC-MFI) done?



Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Narasimhan Committee
2. Malegam Committee
3. Deepak Parekh Committee
4. PK Mohanty Committee

Solution :

The correct answer is **Option 2 i.e. Malegam Committee.**

- The creation of a separate category for Non-Banking Financial Companies (NBFCs) operating in the microfinance sector, known as NBFC-Micro Finance Institutions (NBFC-MFIs), was based on the recommendations of the Malegam Committee.
- This committee, chaired by Y.H. Malegam, was constituted by the Reserve Bank of India (RBI) to examine the microfinance sector and provide recommendations to address issues related to its regulation and supervision.

Question 85 :

Which force causes the trade winds of the southern hemisphere to start blowing from southwest to northeast in India after crossing the equator?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Gravitational force
2. Magnetic force
3. Centrifugal force
4. Coriolis force

Solution :

The correct answer is **Option 4 i.e. Coriolis force.**

- The force responsible for causing the trade winds to blow from southwest to northeast in the southern hemisphere, including India after crossing the equator, is the Coriolis force.
- The Coriolis force is an apparent force caused by the rotation of the Earth. In the southern hemisphere, it deflects moving air masses to the left, causing them to veer to the left of their original direction of motion.

Question 86 :

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Which of the following Indian states was NOT the host of FIFA Under-17 Women's World Cup Football 2022?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Maharashtra
2. Goa
3. Punjab
4. Odisha

Solution :

The correct answer is **Option 3 i.e. Punjab.**

- Punjab was not the host of the FIFA Under-17 Women's World Cup Football 2022.
- The tournament was initially scheduled to be hosted by India, but it was later cancelled due to the COVID-19 pandemic. Therefore, no Indian state, including Punjab, hosted the tournament in 2022.

Question 87 :

What was the HDI value of China in 2021?

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. 0.768
2. 0.645
3. 0.557
4. 0.750

Solution :

The correct answer is **Option 1 i.e. 0.768.**

- The HDI value of China in 2021 was indeed 0.768, as per the United Nations Development Programme's Human Development Report.
- This value reflects China's level of human development based on factors such as life expectancy, education, and per capita income.

Question 88 :



Which of these is NOT a characteristic of a free-enterprise economy?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Decisions are based on the forces of demand and supply.
2. Factor rewards are based on the productivity of factors of production.
3. All economic decisions are taken by the economic planners.
4. Economic decisions are regulated by the market.

Solution :

The correct answer is **Option 3 i.e. All economic decisions are taken by the economic planners.**

- In a free-enterprise economy, also known as a market economy or capitalist economy, all economic decisions are not taken by economic planners. Instead, economic decisions are primarily made by individuals, households, and businesses based on their own self-interest and the forces of supply and demand in the market.

Question 89 :

Which regulatory body oversees microfinance institutions in India?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Reserve Bank of India (RBI)
2. Ministry of Finance
3. Insurance Regulatory and Development Authority of India (IRDAI)
4. Securities and Exchange Board of India (SEBI)

Solution :

The correct answer is **Option 1 i.e. Reserve Bank of India (RBI).**

- In India, microfinance institutions (MFIs) are primarily regulated by the Reserve Bank of India (RBI). The RBI plays a crucial role in overseeing and regulating the operations of MFIs to ensure their compliance with regulatory requirements and to maintain stability in the financial sector.

Question 90 :

In which State of India is Sher Shah's Tomb located?



Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Bihar
2. Uttar Pradesh
3. Punjab
4. Bengal

Solution :

The correct answer is **Option 1 i.e. Bihar.**

- Sher Shah's Tomb is located in Sasaram, a town in the state of Bihar, India. Sher Shah Suri, also known as Sher Khan, was a prominent ruler of the Suri dynasty who ruled over North India during the 16th century. His tomb is an architectural marvel and an important historical monument in the region.

Question 91 :

Which of the following associations was formed in Maharashtra to get social justice for the weaker sections of society?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Theosophical Society
2. Arya Samaj
3. Satya Shodhak Samaj
4. Dharma Paripalana Yogam

Solution :

The correct answer is **Option 3 i.e. Satya Shodhak Samaj.**

- The Satya Shodhak Samaj, or the Society for the Seekers of Truth, was indeed formed in Maharashtra by social reformer Jyotirao Phule in 1873.
- The organization aimed to work towards social justice for the oppressed and weaker sections of society, including lower-caste Hindus, Dalits, and women.
- Jyotirao Phule and his associates in the Satya Shodhak Samaj advocated for various reforms, including the abolition of the caste system, education for all, and women's rights.

Question 92 :

Identify the FALSE statement.



Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. RBI decides the bank rate for the economy
2. SEBI conducts open market operations to regulate money supply in the economy
3. RBI prints the 7100 currency notes
4. Ministry of Finance issues 21 coins

Solution :

The correct answer is **Option 2 i.e. SEBI conducts open market operations to regulate money supply in the economy.**

- This statement is incorrect. The Securities and Exchange Board of India (SEBI) does not conduct open market operations (OMO) to regulate money supply in the economy.
- Open market operations are typically conducted by a country's central bank (in the case of India, the Reserve Bank of India or RBI) to regulate the money supply and liquidity in the financial system. These operations involve the buying or selling of government securities in the open market.

Question 93 :

Which of the following words was NOT a part of the original Preamble of the Indian Constitution?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. Democratic
2. Republic
3. Secular
4. Sovereign

Solution :

The correct answer is **Option 3 i.e. Secular.**

- The original Preamble of the Indian Constitution did not include the word "Secular." This word was inserted into the Preamble by the 42nd Amendment Act of 1976, which aimed to reflect the secular nature of the Indian state. The original Preamble contained the following words:
- "We, the people of India, having solemnly resolved to constitute India into a Sovereign Democratic Republic..."

**Question 94 :**

Which of the following article says that 'It shall be the duty of every citizen of India who is a parent or guardian to provide opportunities for education to his child or, as the case may be, ward between the age of six and fourteen years?'

Difficulty : Moderate**Average Time : 58 Seconds****Options :**

1. 51A(k)
2. 51A(j)
3. 51A(i)
4. 51A(h)

Solution :

The correct answer is **Option 1 i.e. 51A(k)**.

- The provision you mentioned is outlined in Article 51A of the Constitution of India. Specifically, Article 51A (k) states:
- "It shall be the duty of every citizen of India who is a parent or guardian to provide opportunities for education to his child or, as the case may be, ward between the age of six and fourteen years."
- This article emphasizes the importance of education and the responsibility of parents or guardians to ensure that children receive educational opportunities between the ages of six and fourteen years.

Question 95 :

How much wage compensation per trainee is provided under the PM DAKSH Yojana?

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

1. Rs. 3000
2. Rs. 6000
3. Rs. 8000
4. Rs. 2000

Solution :

The correct answer is **Option 1 i.e. Rs. 3000**.

- The Pradhan Mantri Dakshta Aur Kushalta Sampann Hitgrahi (PM DAKSH) Yojana is a scheme implemented by the Ministry of Skill Development and Entrepreneurship (MSDE) in India.
- Rs 3000 compensation per trainee is provided under the PM DAKSH Yojana.



Question 96 :

Which of the following teams won the Cricket's Inaugural Women's Premier League 2023?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Kolkata Knight Riders
2. Delhi Capitals
3. Mumbai Indians
4. Royal Challengers Bangalore

Solution :

The correct answer is **Option 3 i.e. Mumbai Indians.**

- Mumbai Indians won the Cricket's Inaugural Women's Premier League 2023. Mumbai Indians win inaugural Women's Premier League after defeating Delhi Capitals by 7 wickets.

Question 97 :

Which of the following statements is/are true regarding the Green Revolution? i. The term 'green revolution' was coined by Sir William Gaud. ii. Norman Borlaug is hailed as the Father of Green Revolution. iii. MS Randhawa is called the Father of Green Revolution in India.

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Only i and iii
2. Only i and ii
3. Only ii
4. Only iii

Solution :

The correct answer is **Option 2 i.e. Only i and ii.**

- i. "The term 'green revolution' was coined by Sir William Gaud." - This statement is correct. As previously mentioned, the term "Green Revolution" is commonly attributed to William S. Gaud, an official at the U.S. Agency for



International Development (USAID).

- ii. "Norman Borlaug is hailed as the Father of Green Revolution." - This statement is true. Norman Borlaug, an American agronomist, is indeed hailed as the Father of the Green Revolution due to his significant contributions to the development of high-yielding varieties of wheat.
- iii. "MS Randhawa is called the Father of Green Revolution in India." - This statement is incorrect. M.S. Swaminathan is often referred to as the Father of the Green Revolution in India, not M.S. Randhawa.

Question 98 :

Balkar Sidhu was awarded the Sangeet Natak Akdemi Award 2020 for his contribution to _____.

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. folk dance of Punjab
2. Manipuri
3. Chhau
4. folk dance of Maharashtra

Solution :

The correct answer is **Option 1 i.e. folk dance of Punjab.**

- Balkar Sidhu is an Indian Punjabi singer known for his contributions to Punjabi music. He was indeed awarded the Sangeet Natak Akademi Award in 2020 for his contribution to Punjabi folk music.

Question 99 :

In 1834, who proposed a law that states that the current induced by a change in flow opposes the effect producing the change?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. David Brewster
2. Henry Moseley
3. Christian Johann Doppler
4. Heinrich Friedrich Lenz

Solution :

The correct answer is **Option 4 i.e. Heinrich Friedrich Lenz.**

Heinrich Friedrich Lenz, a Russian physicist of German descent, indeed proposed the law in 1834.

- This law is now known as Lenz's Law, and it states that the direction of the induced current in a conductor will be such that it creates a magnetic field that opposes the change in the magnetic field that induced it.
- This is commonly summarized as "the current induced by a change in flow opposes the effect producing the change."

Question 100 :

Match the columns. States Cultural festivals A) Jharkhand I) Karma B) Himachal Pradesh II) Chaitraul C) Telangana III) Lohri D) Punjab IV) Bathukamma

Difficulty : Moderate**Average Time : 59 Seconds****Options :**

1. A-IV. B-II, C-I, D-III
2. A-III, B-I. C-IV, D-II
3. A-II, B-IV. C-III, D-I
4. A-I, B-II, C-IV. D-III

Solution :

The correct answer is **Option 4 i.e. A-I, B-II, C-IV. D-III.**

- **The correct order:**

States	Cultural festivals
A) Jharkhand	I) Karma
B) Himachal Pradesh	II) Chaitraul
C) Telangana	III) Bathukamma
D) Punjab	IV) Lohri

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, 2 questions were asked from Logical Reasoning, 23 questions were asked from Reasoning, 25 questions were asked from Quantitative Aptitude and 25 questions were asked from General Awareness
4. 20 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
4. Sentence Jumbles - 2
5. Idioms - 2
6. One Word Substitution - 4
7. Spellings - 1
8. Voice - 1
9. Synonym - 3
10. Antonym - 2
11. Incorrectly Spelt - 1
12. Incorrectly Spelt - 1

Logical Reasoning

1. Analogy - 1
2. Classification - 1

Reasoning

1. Reasoning - 23

Quantitative Aptitude

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

General Awareness

- 1. Economics - 1
- 2. GK Misc - 22
- 3. Art And Culture - 2

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.

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.



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