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Ssc Cgl Tier I Previous Year Question Paper Overview

Here, you can solve all the questions asked in Ssc Cgl Tier I Previous Year Question Paper on 2020-03-07 in the Morning exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Cgl Tier I exam. There are 100 questions in the exam and 60 minutes are provided for the Ssc Cgl Tier I exam. The Cutoff of the exam was 140 marks hence you should try to score at least 150 marks.

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

Question 1 :
Given below are four jumbled sentences. Select the option that gives their correct order. A. When a calf is born under water, the mother must get it to the surface before it drowns. B. The young ones remain with their parents for up to fifteen years or more. C. Often another whale assists the mother nudging the baby gently and encouraging it to swim. D. Whales have highly developed maternal instincts.

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

Options :

1. DACB
2. DBCA
3. BCAD
4. CBDA

Solution :
The correct answer is option 1 i.e. **DACB**.

- **Statement D** is independent and introduces the theme of the paragraph "**Whales**" hence, it will be the opening statement.
- **Statement A** explains the "**Maternal instincts**" that is mentioned in statement **D** hence, **A** will come after **D**.
- **Statement C** and **B** respectively talks about the care of the calf by the mother after the birth hence, they will come respectively after A.
- Now we have the final arrangement i.e. **DACB**.+
-

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The chosen option is the same as the final arrangement hence, it will be correct.

Some common rules that help while solving the Para Jumbles:-

1. Read the paragraph **carefully** and try **to comprehend the idea or theme of the paragraph** and **eliminate the irrelevant options**.
2. Try to identify the opening (**Independent statement**) and closing statement (**Concluding statement**).
3. Try to **identify** the **mandatory pairs**. Two sentences can be connected through various connectors.
4. If a statement starts with **Pronoun,** find **the noun** for which the pronoun is used, both the statements containing **noun** and **pronoun** will form a pair respectively.

Question 2 :

In the given figure, ABC is an isosceles triangle, in which AB = AC, AD BC, BC = 6 cm and AD = 4 cm. The length of AB is:

Difficulty : Moderate   **Average Time : 102 Seconds**

Options :

1. 5 cm

2. 4 cm

3. 6 cm

4. 7 cm

Solution :

The correct answer is **Option 1** i.e. **5 cm.**

Understanding/Application
Triangle ABC is an isosceles triangle.
AB = AC
The perpendicular from A to BC will bisect the side BC.
BD = CD = 6/2 = 3 cm

From triangle ABD -

$AD^2 + BD^2 = AB^2$

$4^2 + 3^2 = AB^2$

$AB^2 = 25$

$AB = 5$ cm

Question 3 :
Select the SYNONYM of the given word. SACRED

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

Options :

1. Precious

2. Valued

3. Scarce

4. Holy

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

Let's have a look at the meaning of the given options-

1. **Sacred**- connected with God, a god or religion.
2. **Precious**- of great value (usually because it is rare or difficult to find).
3. **Valued**- to think somebody/something is very important.
4. **Scarce**- not existing in large quantities; hard to find.
5. **Holy**- connected with God or with religion and therefore very special or important.

As the chosen option expresses the best meaning of the given word it will be the correct answer.

Question 4 :
Select the INCORRECTLY spelt word

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

Options :

1. Accross

Already

3. Alien

4. Awful

Solution :

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

Let's have a look at the meaning of the given options-

1. **Across**- from one side of something to the other.
2. **Already**- used for talking about something that has happened before now or before a particular time in the past.
3. **Alien**- a creature that comes from another planet.
4. **Awful**- very bad or unpleasant.

As the chosen option is an incorrectly spelt word it will be the correct answer.

Question 5 :

Select the ANTONYM of the given word. NATIVE

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

Options :

1. Urban

2. Rural

3. Foreign

4. Rustic

Solution :

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

Let's have a look at the meaning of the given options-

1. **Native**- connected with the place where you were born or where you have always lived.
2. **Urban**- connected with a town or city.
3. **Rural**- connected with the country, not the town.
4. **Foreign**- belonging to or connected with a country that is not your own.
5. **Rustic**- typical of the country or of country people; simple.

As the chosen option expresses the opposite meaning of the given word it will be the correct answer.

Question 6 :

Select the most appropriate meaning of the given idiom. Look down upon

Difficulty : Moderate   **Average Time : 62 Seconds**

Options :

1. To consider someone inferior

2. To be full of guilt

3. To look for something underground

4. To look down from a height

Solution :

The correct answer is option 1 i.e. **To consider someone inferior.**

The meaning of the given idiom is-

Look down upon- to consider someone or something lesser or inferior in some way.

As the meaning of the given idiom is the same as the chosen option it will be correct.

Question 7 :

Select the correct passive form of the given sentence. The children sang the National Anthem with great enthusiasm.

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

Options :

1. The National Anthem was sung with great enthusiasm by the children.

2. The National Anthem is sung with great enthusiasm by the children.

3. The National Anthem has been sung with great enthusiasm by the children.

4. The National Anthem was being sung with great enthusiasm by the children.

Solution :

The correct answer is option 1 i.e. **The National Anthem was sung with great enthusiasm by the children.**

Active voice- Subject + v2 + object + other words.

Passive voice - Object + was/were + v3 + by + subject + other words.

As the chosen option follows this structure it will be correct.

Question 8 :

Select the word which means the same as the group of words given. A game in which neither party wins

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

Options :

1. Flop
2. Equal
3. Draw
4. Quit

Solution :

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

Let's have a look at the meaning of the given options-

1. **Draw**- to do a picture or diagram of something with a pencil, pen, etc. but not paint.
2. **Flop**- to sit or lie down in a sudden and careless way because you are very tired.
3. **Equal**- the same in size, amount, value, number, level, etc.
4. **Quit**- to leave a job, etc. or to go away from a place.

As the chosen option expresses the meaning of the given group of words it will be the correct answer.

Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Advertising is the promotion of goods and services. It provides a (1)_____ to the manufacturing companies to sell their (2)_____ better than their competitors. Every time we switch (3)_____ the television we find some product or the other (4)_____ pushed towards us. It cannot be denied that the (5)_____ behind commercial advertising is to increase sales and earn more profit.

Question 9 :

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

Difficulty : Moderate   **Average Time : 84 Seconds**

Options :

1. opportunity
2. event
3. occasion

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excuse

Solution :

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

Let's have a look at the meaning of the given options:-

1. **opportunity**- a chance to do something that you would like to do; a situation or a time in which it is possible to do something that you would like to do.
2. **event**- something that happens, especially something important or unusual.
3. **occasion**- a particular time when something happens.
4. **excuse**- a reason (that may or may not be true) that you give in order to explain your behaviour.

The meaning of the chosen option is most suitable for the given blank hence, it will be correct.

Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Advertising is the promotion of goods and services. It provides a (1)_____ to the manufacturing companies to sell their (2)_____ better than their competitors. Every time we switch (3)_____ the television we find some product or the other (4)_____ pushed towards us. It cannot be denied that the (5)_____ behind commercial advertising is to increase sales and earn more profit.

Question 10 :

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

Difficulty : Moderate   **Average Time : 87 Seconds**

Options :

1. creation

2. products

3. compounds

4. outcome

Solution :

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

Let's have a look at the meaning of the given options:-

1. **creation**- the act of causing something new to happen or exist.
2. **products**- something that is made in a factory or that is formed naturally.
3. **compounds**- something that consists of two or more things or substances combined together.

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outcome- the result or effect of an action or an event.

The statement is talking about "**selling**" hence, the chosen option "**Products**" will be the correct choice.

Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Advertising is the promotion of goods and services. It provides a (1)_____ to the manufacturing companies to sell their (2)_____ better than their competitors. Every time we switch (3)_____ the television we find some product or the other (4)_____ pushed towards us. It cannot be denied that the (5)_____ behind commercial advertising is to increase sales and earn more profit.

Question 11 :
Select the most appropriate option to fill in blank number (3).

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

Options :

1. off

2. in

3. on

4. at

Solution :

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

Switch on- to turn on (something) by turning or pushing a button.

The statement is talking about playing television hence, "On" will be the correct choice.

Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Advertising is the promotion of goods and services. It provides a (1)_____ to the manufacturing companies to sell their (2)_____ better than their competitors. Every time we switch (3)_____ the television we find some product or the other (4)_____ pushed towards us. It cannot be denied that the (5)_____ behind commercial advertising is to increase sales and earn more profit.

Question 12 :
Select the most appropriate option to fill in blank number (4).

Difficulty : Moderate   **Average Time : 62 Seconds**

Options :

been

2. being

3. be

4. to be

Solution :

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

- There is no main verb in the given statement hence, we need to use a participle here.
- The whole statement is in the present tense hence, "**Present Participle**" will be correct here.

The chosen option is present participle hence, it will suit the given blank.

Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. Advertising is the promotion of goods and services. It provides a (1)_____ to the manufacturing companies to sell their (2)_____ better than their competitors. Every time we switch (3)_____ the television we find some product or the other (4)_____ pushed towards us. It cannot be denied that the (5)_____ behind commercial advertising is to increase sales and earn more profit.

Question 13 :

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

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

Options :

1. feeling

2. emotion

3. motive

4. influence

Solution :

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

Let's have a look at the meaning of the given options:-

1. **feeling**- something that you feel in your mind or body.
2. **emotion**- a strong feeling such as love, anger, fear, etc.
3. **motive**- a reason for doing something, often something bad.

influence- the power to affect, change or control somebody/something.

The paragraph is about the "**advertisement**" and in the whole paragraph it is talking about the motive behind the advertisement hence, "**Motive**" will be the correct choice.

Hence, the chosen option will be correct.

Question 14 :
Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement. Mother was watching a movie when the lights were going off.

Difficulty : Moderate   **Average Time : 70 Seconds**

Options :

1. went off

2. No improvement

3. going off

4. have gone off

Solution :
The correct answer is option 1 i.e. **went off.**

- For "**Light**" we can not use a continuous tense hence, we need to write it into "**Simple Past Tense".**
- The chosen option follows the given rule correctly hence, it will improve the given statement.

The correct sentence will be-

Mother was watching a movie when the lights **went off.**

Question 15 :
Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement. Scarcely had the passengers boarded the plane when the captain welcomed them.

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

Options :

1. No improvement

2. that the captain welcomed them

3. than the captain welcomes them

when the captain had welcomed them

Solution :

The correct answer is option 1 i.e. **No improvement.**

- "**Hardly/Scarcely _____ when_____**" is the correct pair of the conjunction and the given statement follow this correctly.
- There is no grammatical error in the underlined part hence, "**No improvement**" will be the correct choice.

The correct sentence will be-

Scarcely had the passengers boarded the plane ***when the captain welcomed them.***

Question 16 :

Select the correct indirect form of the given sentence. The traveller said to a passerby, "Can you help me find my way, please?"

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

Options :

1. The traveller asked the passerby could you kindly help me find my way?

2. The traveller asked the passerby that he can kindly help him find his way.

3. The traveller requested to the passerby if he can help him find his way.

4. The traveller asked the passerby if he could kindly help him find his way.

Solution :

The correct answer is option 4 i.e. **The traveller asked the passerby if he could kindly help him find his way.**

- As the reported speech is in "**Interrogative sentence**" we need to make changes according to this.
- There will be a change in the reporting verb and it will be changed into "**Asked**".
- The inverted comma will be changed into "**IF**".
- "**Can**" will be changed into "**Could**".
- The reported speech will be written in assertive structure (**subject + verb**).

As all the rules are followed by the chosen option it will be correct.

Question 17 :

Select the ANTONYM of the given word. REPULSIVE

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

Options :

Hideous

2. Revolting

3. Brilliant

4. Attractive

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

Let's have a look at the meaning of the given options-

1. **Repulsive**- that causes a strong feeling of disgust.
2. **Hideous**- very ugly or unpleasant.
3. **Revolting**- extremely unpleasant; disgusting.
4. **Brilliant**- having a lot of light; very bright.
5. **Attractive**- that pleases or interests you; that you like.

As the chosen option expresses the opposite meaning of the given word it will be the correct answer.

Question 18 :
Select the word, which means the same as the group of words given. That which cannot be satisfied

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

Options :
1. Ingenuous

2. Inapt

3. Insatiable

4. Insane

Solution :
The correct answer is option 3 i.e. **Insatiable**.

Let's have a look at the meaning of the given options-

1. **Ingenuous**- honest, innocent and willing to trust people in a way that sometimes seems foolish.
2. **Inapt**- not suitable or appropriate in the circumstances.
3. **Insatiable**- that cannot be satisfied; very great.
4. **Insane**- crazy or mentally ill.

As the chosen option expresses the meaning of the given group of words it will be the correct answer.

Question 19 :
In the sentence identify the segment which contains the grammatical error. He married with a rich heiress last year.

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

Options :

1. with a

2. rich heiress

3. last year

4. He married

Solution :
The correct answer is option 1 i.e. **with a.**

1. The error lies in **part 1** of the statement because of the wrong use of "**Preposition**".
2. We need to remove "With" from the given statement for making the statement grammatically correct.

Grammatical Concept:-

- If there is an object after the verb "**merry and divorce**" we don't use any preposition after it.

- In the given statement there is an object hence, it will be used without a preposition.

- The chosen option contains the **ERROR** hence, it will be the correct answer.

The correct sentence will be-

He married a rich heiress last year.

Question 20 :
Select the INCORRECTLY spelt word.

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

Options :

1. Guidance

2. Guardian

3. Guarranty

Guilty

Solution :

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

Let's have a look at the meaning of the given options-

1. **Guidance**- the act or process of guiding.
2. **Guardian**- a person who guards, protects, or preserves.
3. **Guarantee**- a promise that something will be or will happen as stated a guarantee against defects.
4. **Guilty**- having broken a law; being responsible for doing something wrong.

As the chosen option is an incorrectly spelt word it will be the correct answer.

Question 21 :

Select the SYNONYM of the given word. WEARY

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

Options :

1. Touchy

2. Restless

3. Exhausted

4. Lively

Solution :

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

Let's have a look at the meaning of the given options-

1. **Weary**- very tired, especially after you have been doing something for a long time.
2. **Touchy**- easily upset or made angry.
3. **Restless**- unable to relax or be still because you are bored, nervous or impatient.
4. **Exhausted**- very tired.
5. **Lively**- full of energy, interest, excitement, etc.

As the chosen option expresses the best meaning of the given word it will be the correct answer.

Question 22 :

Given below are four jumbled sentences. Select the option that gives their correct order. A. While he was doing this, he missed seeing a velvet purse full of gold coins lying on the road. B. Ramesh always worried about how he would become

sick and weak in old age. C. To try how he would cope with blindness, Ramesh started walking with his eyes closed. D. He feared that he might even lose his sight and go blind.

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. CABD
2. DBAC
3. BDCA
4. BCAD

Solution :

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

- **Statement B** is independent and introduces the character of the paragraph "**Ramesh**" hence, it will be the opening statement.
- **Statement D** starts with the pronoun "**HE**" that is used for the noun "**Ramesh**" hence, D will follow B.
- **Statement C** contains "started walking with his eyes closed" and **statement A** contains "missed seeing a velvet purse full of gold coins lying on the road" both these statement will make a sequence.
- Now we have the final arrangement i.e. **BDCA**.

The chosen option is the same as the final arrangement hence, it will be correct.

Some common rules that help while solving the Para Jumbles:-

1. Read the paragraph **carefully** and try **to comprehend the idea or theme of the paragraph** and **eliminate the irrelevant options**.
2. Try to identify the opening (**Independent statement**) and closing statement (**Concluding statement**).
3. Try to **identify** the **mandatory pairs**. Two sentences can be connected through various connectors.
4. If a statement starts with **Pronoun,** find **the noun** for which the pronoun is used, both the statements containing **noun** and **pronoun** will form a pair respectively.

Question 23 :
Select the most appropriate meaning of the given idiom. Keep a civil tongue in your head

Difficulty : Moderate

Average Time : 103 Seconds

Options :

1. Used to tell someone to stop being rude

Someone who uses flowery language

3. To describe something in a way that makes it seem less unpleasant

4. Keep oneself updated

Solution :

The correct answer is **option 1 i.e. Used to tell someone to stop being rude**

The meaning of the given idiom is-

Keep a civil tongue in your head- Used to tell someone to stop being rude

As the meaning of the given idiom is the same as the chosen option it will be correct.

Question 24 :

Fill in the blank with the most appropriate word. The minister gave an _____ that strict action would be taken against the culprits.

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

Options :

1. insurance

2. assurance

3. ambition

4. admission

Solution :

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

Let's have a look at the meaning of the given options:-

1. **insurance**- the business of providing insurance.
2. **assurance**- a promise that something will certainly happen or be true.
3. **ambition**- something that you very much want to have or do.
4. **admission**- the act of allowing somebody to enter a school, club, public place, etc.

In the given statement "**the minister**" is making a promise and the same meaning is being shown by the chosen option.

Hence, the chosen option will be correct.

Question 25 :

In the sentence identify the segment which contains the grammatical error. The famous author and actor are being

honoured at a function today.

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

Options :

1. The famous author

2. a function today

3. and actor are being

4. honoured at

Solution :
The correct answer is option 3 i.e. **and actor are being.**

1. The error lies in **part 3** of the statement because of the wrong use of "**Subject-verb agreement**".
2. We need to replace "**are**" with "**is**" for making the statement grammatically correct.

Grammatical Concept:-

- **Subjects** and verbs must **AGREE** with one another in number (**singular or plural**). Thus, if a **subject** is singular, its **verb** must also be singular; if a **subject** is plural, its **verb** must also be plural.

- In the given statement "**Article**" is used only once hence, "**Famous author and actor**" will act as a compound noun and will take a singular verb.

- The chosen option contains the **ERROR** hence, it will be the correct answer.

The correct sentence will be-

*The famous author **and actor are being** honoured at a function today.*

Question 26 :
Fill in the blank with the most appropriate word. She was loved by her employees for her _____.

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

Options :

1. benevolence

2. malevolence

3. condolence

4. insolence

Solution :

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

Let's have a look at the meaning of the given options:-

1. **benevolence**- the quality of being kind and helpful.
2. **malevolence**- the quality of causing or wanting to cause harm or evil.
3. **condolence**- sympathy with another in sorrow.
4. **insolence**- rude and disrespectful behaviour.

The statement has a meaning related to "**love**" and the chosen option has also a meaning similar to "**king and helpful**" hence, it will suit the given black.

Hence, the chosen option will be correct.

Question 27 :

In the given figure, the measure of BAC is:

Difficulty : Moderate   **Average Time : 62 Seconds**

Options :

1. 56°

2. 58°

3. 62°

4. 48°

Solution :

The correct answer is **Option 4** i.e. **48°.**

Understanding/Application
ACD = 110°
ABC = 62°

Exterior angle theorem -

ACD = ABC + BAC

110 = 62 + BAC

BAC = 48°

Question 28 :

In the given figure, MP is tangent to a circle with centre A and NQ is a tangent to a circle with centre B. If MP = 15 cm, NQ = 8 cm. PA = 17 cm and BQ = 10 cm, then AB is:

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. 23 cm

2. 13.5 cm

3. 28 cm

4. 14 cm

Solution :

The correct answer is **Option 4** i.e. **14 cm**

Understanding/Application
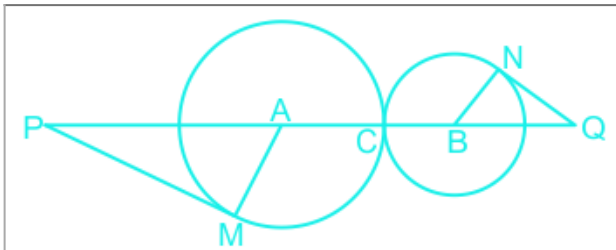
MP is tangent to the circle with center A.

So, MP is perpendicular to AM.

From, triangle PAM -

$AM^2 + MP^2 = PA^2$

$AM^2 + 15^2 = 17^2$

$AM^2 = 64$

$AM = 8$ cm

Radius of the larger circle = AC = AM = 8 cm

NQ is tangent to the circle with center B. So, NQ is perpendicular to BN.

From, triangle QBN -

$BN^2 + NQ^2 = BQ^2$

$BN^2 + 8^2 = 10^2$

$BN^2 = 36$

$BN = 6$ cm

Radius of the smalller circle = BC = BN = 6 cm

AB = AC + BC = 8 + 6 = 14 cm

Question 29 :
Select the option figure in which the given figure is embedded (rotation is NOT allowed).

Difficulty : Moderate   **Average Time : 92 Seconds**

Options :

2.

V E R T I C A L
5 4 9 7 3 24 5 15

3.

V E R T I C A L
5 4 9 7 3 24 5 15

4.

V E R T I C A L
5 4 9 7 3 24 5 15

Solution :

The correct answer is **option 4**

Understanding
The given figure is embedded in option 4, as shown below: V E R T I C A L 5 4 9 7 3 24 5 15

Question 30 :

Select the correct combination of mathematical signs to sequentially replace the * signs, to balance the following equation.
(14 * 9 * 6) * 15 * 8

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. ×, =, ÷, -

   ×, -, ÷, =

3. -, ÷, ×, =

4. ÷, -, =, ×

Solution :

The correct answer is **option 2** i.e **×, -, ÷, =.**

Understanding
Given equation: (14 * 9 * 6) * 15 * 8
Check the options
Option 1: ×, =, ÷, -
After interchanging the equation becomes;
= (14 × 9 = 6) ÷ 15 - 8
= 126 is not equal to -7.5.
Hence, option 1 is not the correct answer.
Option 2: ×, -, ÷, =
After interchanging the equation becomes;
= (14 × 9 - 6) ÷ 15 = 8
= 8
Hence, option 2 is the correct answer.
Option 3: -, ÷, ×, =
After interchanging the equation becomes;
= (14 - 9 ÷ 6) × 15 = 8
= 187.5 is not equal to 8.
Hence, option 3 is not the correct answer.

Understanding
Option 4: ÷, -, =, × After interchanging the equation becomes; = (14 ÷ 9 - 6) = 15 × 8 = -4.44 is not equal to 120. Hence, option 4 is not the correct answer.

Question 31 :

Which of the option figures is the exact mirror image of the given figure when the mirror is held at the right side?

Difficulty : Moderate   **Average Time : 94 Seconds**

Options :

1.
2.
3.
4.

Solution :

The correct answer is **option 2**

Understanding
The mirror image of the question figure is shown below: Since the mirror is placed right to the question figure, the right-hand side of the original image will be now the left-hand side of the mirror image.

Question 32 :

Select the option in which the words share the same relationship as that shared by the given pair of words. Bacteria:

Illness

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. Appraisal : Performance

2. Disease : Doctor

3. Painting : painter

4. Carelessness : Errors

Solution :

The correct answer is **option 4** i.e **Carelessness: Errors.**

Understanding	Application
Bacteria causes illness.	Similarly, **Carelessness causes errors.** Hence, option 4 is the correct answer.

Question 33 :

Select the letter-cluster that can replace the question mark (?) in the following series. eBd, hXi, kTn, nPs,?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. pLw

2. qKx

3. Qlv

4. qLx

Solution :

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

Understanding

The logic used here is;

eBd, hXi

(e + 3) = h

(B - 4) = X

(d + 5) = i

The next term in the series;

nPs,?

(n + 3) = q

(P - 4) = L

(s + 5) = x

The next term in the series is qLx.

Question 34 :

In a certain code language, 'CREATION' is written as RCAEITNO. How will 'SEQUENCE' be written as in that language?

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

Options :

1. QESEUENC

2. ESUQNEEC

3. QESEUCNE

4. ESUQENEC

Solution :

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

Understanding	Application

The logic used here is: In a pair from the starting, the letters are interchanged. V E R T I C A L ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ 5 4 9 7 3 24 5 15	Similarly, Code for the word **SEQUENCE:** V E R T I C A L ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ 5 4 9 7 3 24 5 15 Considering all the four options the most appropriate is option 2.

Question 35 :

A private taxi company charges a fixed charge along with a per-kilometre charge based on the distance covered. For a journey of 24 km, the charges paid are Rs.368 and for a journey of 32 km, the charges paid are Rs.464. How much will a person have to pay for travelling a distance of 15 km?

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

Options :

1. Rs.180

2. Rs.280

3. Rs.290

4. Rs.260

Solution :

The correct answer is **option 4** i.e **Rs.260.**

Understanding

Charge that is paid for 24km = Rs. 368

Charge that is paid for 32km = Rs. 464

Difference in km = 8km

Difference in charge = Rs. 96

For 1 km charge paid = Rs. 12

Fixed charge = 368 - (12 × 24) = Rs. 80

Charge for 15km = 80 + 15 × 12 = Rs. 260

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

Question 36 :
Select the number that can replace the question mark (?) in the following series. 17, 19, 22, 27, 34, 45, 58, ?

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

Options :

1. 75

2. 73

3. 67

4. 78

Solution :
The correct answer is **option 1** i.e **75.**

Understanding

The logic used here is:

Number + prime number starting from 2.

17 + 2 = 19

19 + 3 = 22

22 + 5 = 27

27 + 7 = 34

34 + 11 = 45

45 + 13 = 58

58 + 17 = 75

The next term in the series is 75.

Question 37 :

Select the option that is related to the third number in the same way as the second number is related to the first number and the sixth number is related to the fifth number. 6 : 16 : : 20 : ? : : 11 : 81

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. 91
2. 361
3. 324
4. 120

Solution :

The correct answer is **option 3** i.e. **324**

Understanding	Application

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The logic used here is: 2nd number = (1st number - 2)^2 6 : 16 $(6 - 2)^2 = 4^2 = 16$ 11 : 81 $(11 - 2)^2 = 9^2 = 81$	Similarly, 20 : ? $(20 - 2)^2 = 18^2 = $ **324** Hence, option 3 is the correct answer.

Question 38 :

Select the option in which the numbers are related in the same way as are the numbers in the given set. 17 : 102 : 153

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

Options :

1. 18 : 104 : 171

2. 16 : 96 : 144

3. 13 : 78 : 108

4. 23 : 162 : 207

Solution :

The correct answer is **option 2** i.e **16: 96: 144.**

Understanding	Application
The logic used here is: 17: 102: 153 17 × 6 = 102 17 × 9 = 153	Similarly, **16: 96: 144** **16 × 6 = 96** **16 × 9 = 144** Hence, option 2 is the correct answer.

Question 39 :

Select the box that CANNOT be formed by folding the given unfolded box.

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1.

2.

3.

4.

Solution :

The correct answer is **option 2**

Understanding
After folding the sheet along the lines;
b is opposite to f
a is opposite to c
d is opposite to e
From the second option, "d" is not opposite to "e". Thus, option 2 cannot be formed.
Hence, **option 2** is the correct answer.

Question 40 :

Select the figure that can replace the question mark (?) in the following series.

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1.
V E R T I C A L
5 4 9 7 3 24 5 15

2.
V E R T I C A L
5 4 9 7 3 24 5 15

3.
V E R T I C A L
5 4 9 7 3 24 5 15
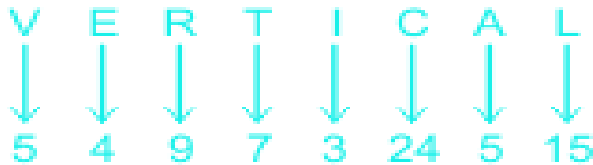
4.
V E R T I C A L
5 4 9 7 3 24 5 15

Solution :

The correct answer is **option 2**

Understanding
The top figure goes down and the remaining three figures move up.
The sequence of figures: V E R T I C A L   5 4 9 7 3 24 5 15

Question 41 :

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

Difficulty : Moderate

Options :

1. 4/5: 3
2. 25/41: 8
3. 16/20: 6
4. 30/51: 9

Solution :

The correct answer is **option 2** i.e **25/41: 8**

Understanding
The logic used here is:
1) 4/5 : 3 $4 + 5 = 9 = 3^2$
2) 25/41 : 8 $25 + 41 = 66$ is not a perfect square.
3) 16/20 : 6 $16 + 20 = 36 = 6^2$
4) 30/51 : 9 $30 + 51 = 81 = 9^2$
Hence, **25/41: 8 is the odd one out.**

Question 42 :

The given Venn diagram represents the results of a class of students: The triangle represents students who scored 85% and above in maths, the circle represents students who scored 85% and above in English, the rectangle represents students who scored 85% and above in science, and the square represents students who scored 85% and above in social science. The numbers given in the diagram represent the number of students in that particular category. How many students scored 85% and above in all the subjects?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. 5
2. 15
3. 11

17

Solution :

The correct answer is **option 1** i.e **5.**

Understanding
The number of students who scored 85% and above in all the subjects = Intersection of students who scored 85% in Maths, English, Science and Social science = 5   Hence, **option 1** is the correct answer.

Question 43 :

How many triangles are present in the given figure?

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

Options :

1. 28

2. 32

3. 26

4. 30

Solution :

The correct answer is **option 2** i.e **32**

Understanding

```
V  E  R  T  I  C  A  L
↓  ↓  ↓  ↓  ↓  ↓  ↓  ↓
5  4  9  7  3  24 5  15
```

32 triangles: ABC, ACD, BCE, CDE, ABD, BED, ABE, ADE, IJL, JKL, IHJ, HJK, IHK, IKL, IHL, HKL, BEF, FEG, DEG, BFG, BDG, FHG, FHI, HGK, FIK, FGK, BGI, DFK, FGD, FGK, BDF FIG

Question 44 :

A + B means 'A is the mother of B'; A - B means 'A is the husband of B'; A × B means 'A is the son of B'; A ÷ B means 'A is the daughter B'; If, W × Z + Y ÷ X, then how is X related to Z?

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

Options :

1. Wife

2. Son

3. Daughter

4. Husband

Solution :

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

Understanding	Application

In the diagram shown; Square shows males, the circle shows females, vertical lines show generations, single horizontal line shows brother or sisters and double lines show a couple. VERTICAL 5 4 9 7 3 24 5 15	Thus considering the figure, X is the husband of Z. Considering all the four options the most appropriate is option 4.

Question 45 :

Select the set of letters that when sequentially placed in the blanks of the given letter series will complete the series.
p_rsqrps_pqs_qr_qrps_p_s

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. q, r, p, p, r, q

2. p, r, p, s, r, p

3. q, r, p, s, r, q

4. r, p, q, s, r, q

Solution :

The correct answer is **option 3** i.e **q, r, p, s, r, q**

Understanding	Application

The given sequence is – p_rsqrps_pqs_qr_qrps_p_s We need to fill it with the help of options and then check the pattern.	The complete series is as follows: p**q**rsqrps**r**pqs / **p**qrsqrps**r**p**q**s Hence, **q, r, p, s, r, q** will be in blank spaces.

Question 46 :

Four words have given, out of which three are alike in some manner, while one is different. select the odd word.

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

Options :

1. Scream

2. Mumble

3. Shout

4. Roar

Solution :

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

Understanding
Scream, Shout, Roar: All three are synonyms of screaming. Mumble is not the synonym for screaming. Hence, **option 2** is the odd one out.

Question 47 :

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements. Statements: 1. Some cars are buses. 2. Some buses are trucks. 3. Some trucks are scooters Conclusions: I.

Some cars are scooters. II. Some trucks are buses. III. Some scooter are buses IV. All scooters are trucks.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. All the conclusions follow.

2. Only conclusions II and IV follow.

3. Only conclusions I and II follow.

4. Only conclusion II follows.

Solution :

The correct answer is **option 4** i.e **Only conclusion II follows.**

Understanding
The least possible Venn Diagram for the given statements is drawn below: V E R T I C A L   ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓   5 4 9 7 3 24 5 15
Conclusions: I. Some cars are scooters **False** (This is possible but not definite, as no direct relationship between the two is given).   II. Some trucks are buses **True** (As this can be seen from diagram).   III. Some scooter are buses **False** (This is possible but not definite, as no direct relationship between the two is given).   IV. All scooters are trucks **False** (This is possible but not definite).   Hence, **Only conclusion II follows.**

Question 48 :

Arrange the following words in the order in which they appear in an English dictionary. 1. Decipher 2. Decide 3. Decline 4. Deceive 5. Decimal 6. Decision

Difficulty : Moderate

Average Time : 84 Seconds

Options :

1. 3, 5, 4, 1, 6, 2

2. 4, 2, 5, 1, 6, 3

3. 4, 3, 2, 1, 5, 6

4. 4, 5, 2, 1, 6, 3

Solution :

The correct answer is **option 2** i.e **4, 2, 5, 1, 6, 3.**

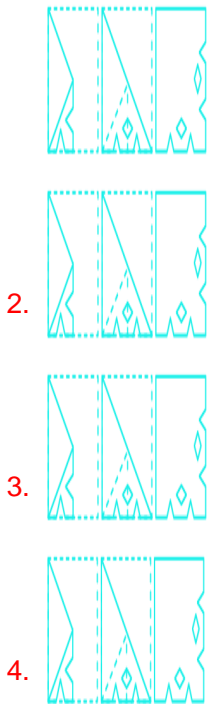| Understanding |
|---|
| In this question, you need to arrange the words as they appear in an English dictionary. |
| So the arrangement is; |
| 1. **Dece**ive |
| 2. **Decid**e |
| 3. **Decim**al |
| 4. **Decip**her |
| 5. **Decis**ion |
| 6. **Decl**ine |

Question 49 :

The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1.

2.

3.

4.

Solution :

The correct answer is **option 1**

Understanding
After unfolding, the paper will appear as follows:
In this type of question, the order of unfolding the paper will be reverse of the order in which it was folded.

Question 50 :

Study the given pattern carefully and select the number that can replace the question mark (?) in it. 29 71 67 8 11 14 4 7 ? 3 6 3

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. 5
2. 6
3. 3
4. 4

Solution :

The correct answer is **option 1** i.e. **5**

Understanding	Application
(2nd row x 3rd row) - 1st row = 4th row 1st column: (8 x 4) - 29 = 32 - 29 = 3 2nd column: (11 x 7) - 71 = 77 - 71 = 6	Similarly, for 3rd column: (14 x ?) - 67 = 3 (14 x ?) = 70 ? = **5**

Question 51 :

In a certain code language, CIRCULAR is coded as 24-3-9-24-1-15-5-9. How will VERTICAL be coded as in that language?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 5-4-9-7-3-24-5-15
2. 5-2-9-7-3-24-5-15
3. 22-4-9-7-3-23-1-15
4. 22-4-9-7-9-24-5-15

Solution :

The correct answer is **option 1** i.e **5-4-9-7-3-24-5-15.**

Understanding	Application
The logic used here is: Consonants are replaced by the place value of their reverse letters (A 26, B 25, C 24) and the vowels are numbered as A = 5, E = 4, I = 3, O = 2, U = 1 V E R T I C A L ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ 5 4 9 7 3 24 5 15	Similarly, **Code for the word VERTICAL:** V E R T I C A L ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ 5 4 9 7 3 24 5 15 Hence, option 1 is the correct answer.

Question 52 :

Select the option that is related to the third word in the same way as the second word is related to the first word. Amusing : Hilarious : : Moisten : ?

Difficulty : Moderate

Average Time : 79 Seconds

Options :

1. Water

2. Soak

3. Dry

4. Humid

Solution :

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

Understanding	Application

Amusing and hilarious have the same meaning.	Similarly, Moisten and soak have the same meaning. Hence, option 2 is the correct answer.

Question 53 :

Four letter-clusters have been given, out of which three are alike in some manner, while one is different. Select the odd letter cluster.

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

Options :

1. FIK

2. NQT

3. XAD

4. SVY

Solution :

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

Understanding
The logic used here is:
1. **FIK: F + 3 = I; I + 2 = K**
2. NQT: N + 3 = Q; Q + 3 = T
3. XAD: X + 3 = A; A + 3 = D
4. SVY: S + 3 = V; V + 3 = Y
Hence, **FIK** is the odd one out.

Question 54 :

Which Indian male cricketer won the BCCI CK Nayudu Lifetime Achievement Award for the year 2019?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Rahul Dravid

2. Sunil Gavaskar

3. Sachin Tendulkar

4. K Srikkanth

Solution :

The correct answer is **option 4** i.e **K Srikkanth.**

- The BCCI Awards are a set of annual cricket awards given by the Board of Control for Cricket in India (BCCI).
- Former India captain and member of the 1983 World Cup-winning team Krishnamachari Srikkanth was the recipient of this year's prestigious CK Nayudu Lifetime Award given by the BCCI.

Question 55 :

With reference to the Vedangas, which of the following terms denotes 'Ritual'?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Shiksha

2. Chanda

3. Kalpa

4. Vyakarana

Solution :

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

Question 56 :

Pravasi Bharatiya Divas is celebrated on:

Difficulty : Moderate

Average Time : 30 Seconds

Options :

1. 9th January

2. 8th January

3. 2nd January

4. 1st January

Solution :

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

- Pravasi Bharatiya Divas is a celebratory day observed (starting in 2001) on 9 January by the Republic of India to mark the contribution of the overseas Indian community towards the development of India.
- The day commemorates the return of Mahatma Gandhi from South Africa to Mumbai on 9 January 1915.

Question 57 :

Which of the following pairs is CORRECT with reference to mountain passes?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Rohtang - Sikkim

2. Bomdila - Himachal Pradesh

3. Nathula - Arunachal Pradesh

4. Lipulekh - Uttarakhand

Solution :

The correct answer is **option 4** i.e. **Lipulekh - Uttarakhand.**

- Lipulekh is a Himalayan pass on the border between India's Uttarakhand state and the Tibet region of China, near their trijunction with Nepal.

The pass is near the Chinese trading town of Taklakot (Purang) in Tibet.

Question 58 :

Which of the following monasteries is located in Sikkim?

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

Options :

1. Hemis

2. Rumtek

3. Kye

4. Tabo

Solution :

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

- Rumtek Monastery also called the Dharma Chakra Centre, is a gompa located in the Indian state of Sikkim near the capital Gangtok.
- It is the seat-in-exile of the Gyalwang Karmapa, inaugurated in 1966 by the 16th Karmapa.

Question 59 :

What does 'T' stand for in ATM?

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

Options :

1. Trunk

2. Transfer

3. Transaction

4. Teller

Solution :

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

- ATM stands for Automated Teller Machine.

Question 60 :

In an examination, Anita scored 31% marks and failed by 16 marks. Sunita scored 40% marks and obtained 56 marks more than those required to pass. Find the minimum marks required to pass.

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. 264

2. 3944

3. 3116

4. 7100

Solution :

The correct answer is **Option 1** i.e. **264.**

Understanding/Application
Anita scored 31% and failed by 16 marks and Sunita scored 40% and got 56 marks more than passing marks.
Difference of marks = Difference of percentage
40% - 31% = 56 + 16
(Anita failed and Sunita passed so marks will be added)
9% = 72 marks
56 marks = 9 × 56/72 = 7%

Minimum passing percentage = 40% - 7% = 33%

7% = 56 marks

33% = 56 × 33/7 = 264 marks

Question 61 :

By selling 18 table fans for Rs.11,664 a man incurs a loss of 10%. How many fans should be sell for Rs.17,424 to earn 10% profit?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. 22
2. 23
3. 18
4. 20

Solution :

The correct answer is **Option 1** i.e. **22.**

Understanding/Application
S.P. of 18 table fans = Rs. 11664   loss = 10%   C.P. of 18 table fans = (11664 × 100)/90 = 12960
C.P. of 1 table fan = 12960/18 = Rs. 720   When profit is 10%, S.P. = 17424   C.P. of n table fans = (17424 × 100)/110 = Rs. 15840   Number of fans which are sold = 15840/720 = 22

Question 62 :

The area of the four walls of a room having length 6 m, breadth 4 m and height 4 m, is:

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 50 m^2
2. 80 m^2
3. 40 m^2
4. 60 m^2

Solution :

The correct answer is **Option 2** i.e. **80 m^2.**

Understanding/Application
l = 6m, b = 4m, h = 4m Area of 4 walls = 2(l × b) + 2(b × h)
= 2(6)(4) + 2(4)(4) = 48 + 32 = 80 m^2

Question 63 :
The scientific study of a cell is called:

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Taxonomy
2. Cytology
3. Histology
4. Physiology

Solution :

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

- The cell is the basic structural, functional, and biological unit of all known organisms.
- The study of cells is called cell biology, cellular biology, or cytology.
- Taxonomy is the branch of science concerned with classification.
- Histology is the study of the microscopic structure of tissues.
- Physiology is the branch of biology that deals with the normal functions of living organisms and their parts.

Question 64 :
Pradhan Mantri Jeevan Jyoti Bima Yojana offers a protection term insurance cover of _____ to the insurer.

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

Options :

1. â,¹5 Lakh

2. â,¹4 Lakh

3. â,¹2 Lakh

4. â,¹8 Lakh

Solution :

The correct answer is **option 3** i.e **â,¹2 Lakh.**

- Pradhan Mantri Jeevan Jyoti Bima Yojana offers a protection term insurance cover of Rs. 2 Lakh to the insurer.
- It was originally mentioned in the 2015 Budget speech by Finance Minister Arun Jaitley in February 2015.
- It was formally launched by Prime Minister Narendra Modi on 9 May in Kolkata.

Question 65 :
The power of a lens is –2.0 D. Here 'D' stands for:

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

Options :

   dioptre

2. degree

3. distance

4. dilation

Solution :

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

- A dioptre is a unit of measurement of the optical power of a lens or curved mirror, which is equal to the reciprocal of the focal length measured in metres.
- It is thus a unit of reciprocal length.

Question 66 :

The Council of Ministers during the time of Shivaji Maharaj was known as:

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

Options :

1. Ashta Diggajas

2. Navaratnas

3. Ashta Pradhan

4. Agraharam

Solution :

The correct answer is **option 3** i.e **Ashta Pradhan**

Question 67 :

For which game has the Father of Leander Paes been a member of the Indian National Team?

Difficulty : Moderate   **Average Time : 34 Seconds**

Options :

1. Badminton

2. Hockey

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4. Basketball

Solution :

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

- The Father of Leander Paes has been a member of the Indian National Team of Hockey.
- He represented the Indian Hockey team in the 1972 Munich Olympics and he won the bronze medal at the event.

Question 68 :

Who was appointed as the brand ambassador of Visa - the payment technology company in 2019?

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

Options :

1. Dutee Chand

2. P.V. Sindhu

3. Sania Mirza

4. PT Usha

Solution :

The correct answer is **option 2** i.e **P.V. Sindhu.**

- Payment technology company Visa announced that it has signed up world badminton champion Pusarla Venkata Sindhu (PV Sindhu) as its brand ambassador for two years.

Question 69 :

The Indian National Congress session of September 1920 was held at _____.

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

Options :

1. Lucknow

2. Calcutta

3. Nagpur

4. Madras

Solution :

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

- The Indian National Congress session of September 1920 was held at Calcutta.

Question 70 :

Which among the following is a cation?

Difficulty : Moderate   Average Time : 38 Seconds

Options :

1. Chloride

2. Ammonium

3. Iodide

4. Fluoride

Solution :

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

- The ammonium cation is a positively charged polyatomic ion with the chemical formula NH_4^+.
- It is formed by the protonation of ammonia (NH_3).

Question 71 :

Which of the following states does NOT share its boundary with Bangladesh?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Meghalaya
2. Assam
3. Manipur
4. Tripura

Solution :

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

- Bangladesh and India share a 4,096-kilometre-long international border, the fifth-longest land border in the world, including 262 km in Assam, 856 km in Tripura, 318 km in Mizoram, 443 km in Meghalaya, and 2,217 km in West Bengal.

Question 72 :
Where is the Dharmraja Ratha monument located?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Suchindram
2. Mahabalipuram
3. Khajuraho
4. Kanchipuram

Solution :

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

- Dharmaraja Ratha is a monument in the Pancha Rathas complex at Mahabalipuram, on the Coromandel Coast of the Bay of Bengal, in the Kanchipuram district of the state of Tamil Nadu, India.

Question 73 :

Who is the author of the book 'Wise and Otherwise: A Salute to Life'?

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

Options :

1. Kiran Desai

2. Zoya Hasan

3. Amrita Pritam

4. Sudha Murthy

Solution :

The correct answer is **option 4** i.e. **Sudha Murthy.**

- Wise & Otherwise: A Salute to life is a non-fiction book written by Sudha Murthy, chairperson of the Infosys Foundation and the wife of Narayan Murthy.
- The book shows the encounter Sudha Murthy has had with ordinary people and extraordinary minds during her travels and personal experiences.

Question 74 :

Which among the following is NOT an insulator?

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

Options :

> Dry Paper

2. Ebonite

3. Glass

4. Mercury

Solution :

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

- Mercury is a heavy, silvery-white liquid metal.
- It is a poor conductor of heat, but a fair conductor of electricity.

Question 75 :

Which of the following Articles of the Constitution of India guarantees the Right to Freedom of Religion?

Difficulty : Moderate   Average Time : 44 Seconds

Options :

1. Articles 19-22

2. Articles 14-18

3. Articles 23-24

4. Articles 25-28

Solution :

The correct answer is **option 4** i.e **Articles 25-28.**

- The constitution of India provides for the right to freedom of religion under Articles 25 to Article 28.
- **Article 25:** Freedom of conscience and free profession, practice and propagation of religion.
- **Article 26:** Freedom to manage religious affairs.
- **Article 27:** Freedom as to payment of taxes for promotion of any particular religion.
- **Article 28:** Freedom as to attendance at religious instruction or religious worship in certain educational institutions.

Question 76 :

The Pritzker Prize is an international award given to recognize contribution in the field of _____

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. architecture
2. mathematics
3. literature
4. medicine

Solution :

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

Question 77 :

In which year was the first amendment to the Constitution of India made?

Difficulty : Moderate

Average Time : 32 Seconds

Options :

1. 1951

1950

3. 1953

4. 1952

Solution :

The correct answer is **option 1** i.e **1951.**

- The Constitution (First Amendment) Act, 1951, enacted in 1951, made several changes to the Fundamental Rights provisions of the Indian constitution.
- It provided means to curb freedom of speech and expression, validation of zamindari abolition laws and clarified that the right to equality does not bar the enactment of laws that provide "special consideration" for weaker sections of society.

Question 78 :

In December 2019, the Rohtang passageway in Himachal Pradesh was renamed as:

Difficulty : Moderate   Average Time : 51 Seconds

Options :

1. Swaraj Tunnel

2. Atal Tunnel

3. Bose Tunnel

4. Mukherjee Tunnel

Solution :

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

- On 25 December(2019) the tunnel, which was known as Rohtang tunnel till then, was officially renamed as the Atal Tunnel.
- Atal Tunnel is a highway tunnel built under the Rohtang Pass in the eastern Pir Panjal Range of the Himalayas on the Leh-Manali Highway in Himachal Pradesh, India.

Question 79 :

Which among the following has its refractive index closest to that of crown glass?

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

Options :

1. Diamond

2. Ruby

3. Sapphire

4. Canada balsam

Solution :

The correct answer is **option 4** i.e. **Canada balsam.**

- Refractive Index is equal to the ratio of the velocity of light in a vacuum to its velocity of the light in a specified medium we are comparing with.
- Refractive Index of Crown Glass - 1.52-1.62.
- Canada balsam has its refractive index closest to that of crown glass.

Question 80 :

Select the correct pair of the dance form and their state.

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

Options :

1. Padayani – Kerala

2. Kalbelia – Himachal Pradesh

Dalkhai – Karnataka

4. Thang Ta – Bihar

Solution :

The correct answer is **option 1** i.e **Padayani – Kerala.**

- Padayani, also known as Padeni from the central portion of the Indian state of Kerala.
- A ceremonial dance involving masks is an ancient ritual performed in Bhagavati temples.
- The dance is performed in honour of Bhadrakaali.
- Meaning, a 'row of warriors', Padayani is an art form that blends music, dance, theatre, satire, facial masks, and paintings.

Question 81 :

Which of the following rivers forms the Dhuandhar waterfall near Jabalpur?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Narmada

2. Luni

3. Tapi

4. Tungabhadra

Solution :

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

- **The Narmada River** forms the Dhuandhar waterfall near Jabalpur.
- The river originates from Amarkantak. It also rises at an elevation of about 3,500 feet in the Maikala Range of Madhya Pradesh.
- The Narmada River, making its way through the world famous Marble Rocks, narrows down and plunges into a waterfall known as Dhuandhar.

Question 82 :

From the given table, what is the percentage of students scoring 40 or more, but less than 70. Scores Less than 20 Less than 30 Less than 40 Less than 50 Less than 60 Less than 70 Less than 80 No. of students 12 19 22 31 38 46 50

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 56%

2. 8%

3. 96%

4. 52.75%

Solution :

The correct answer is **Option 4** i.e. **52.75%.**

Understanding/Application
Total number of students = 12 + 19 + 22 + 31 + 38 + 46 + 50 = 218 Total students who scored 40 more or but less than 70 = 31 + 38 + 46 = 115
Required percentage = (115 × 100)/218 = 52.75%

Question 83 :

What is the value of Sin 30o + Cos 30o - tan 45o ?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. ((3) - 1)/2

2. ((3) + 1)/2

3. ((2) + 1)/(2)

4. (1 - (3))/2

Solution :

The correct answer is **Option 1** i.e. **((3) - 1)/2.**

Understanding/Application
Sin 30° + Cos 30° - tan 45° sin30 = 1/2 cos30 = 3/2 tan45 = 1
Sin 30° + Cos 30° - tan 45° = 1/2 + 3/2 - 1 = (1 + 3 - 2)/2 = (3 - 1)/2

Question 84 :

In a school, the distribution of teachers is as follows: Age (years) 20-25 25-30 30-35 35-40 40-45 45-50 50-55 No. of Teachers 2 3 5 2 6 7 5 The total number of teachers of age less than 40 years is:

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 18

2. 10

3. 39

4. 12

Solution :

The correct answer is **Option 4** i.e. **12.**

Understanding/Application
All teachers whose age is less than 40 are in the group of 20 - 25, 25 - 30, 30 - 35, 35 - 40.
All teachers whose age is less than 40 = 2 + 3 + 5 + 2 = 12

Question 85 :

The average of five consecutive odd numbers is m. if the next three odd numbers are also included, then what is the increase in the average?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. 0

2. 8

3. 17

4. 3

Solution :

The correct answer is **Option 4** i.e. **3.**

Understanding/Application
Let the first odd no. be x.
Then 5 consecutive odd number will be x, x + 2, x + 4, x + 6, x + 8 whose sum is 5x + 20 and average will be x + 4.
M = x + 4
x = M - 4
The next 3 odd numbers will be x + 10, x + 12, x + 14 whose sum is 3x + 36.
The sum of 8 numbers is (5x + 20) + (3x + 36) = 8x + 56
The new average = 8(x + 7)/8 = x + 7
on putting value of x = M - 4
M - 4 + 7 = M + 3
The new average is M + 3
Increment in the average = M + 3 - M = 3

Question 86 :

The simple interest on a sum of Rs.50,000 at the end of two years is Rs.4,000. What would be the compound interest on the same sum at the same rate for the same period?

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. Rs.8,000

2. Rs.4,080

3. Rs.4,040

4. Rs.4,008

Solution :

The correct answer is **Option 2** i.e. **Rs.4,080.**

Understanding/Application
p = Rs. 50000   i = Rs. 4000   t = 2 years   i = P×R×T/100   4000 = 50000(r)(2)/100   r = 4%
C.I. = p$(1 + r/100)^{t}$ - p   = 50000$(1 + 4/100)^{2}$ - 50000   = 50000$(26/25)^{2}$ - 50000   = 54080 - 50000   = 4080

Question 87 :

Ten men or twelve women can finish the same work in 10 days. If 5 men and9 2 women undertake the work together, how many days will they take to complete the work?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. 20
2. 40
3. 15
4. 60

Solution :

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

Understanding/Application
Total work = total time × (men + women)
10 men or 12 women can finish the same work in 10 days.
$10m(10) = 12w(10)$
$5m = 6w$
Let the same work be completed in x days by 5 men and 2 women.
Total work done by 5 men and 2 women = $(5m + 2w)x$
$12w(10) = (6w + 2w)x$
$120w = 8wx$
x = 15 days

Question 88 :

The value of $(1 - 2Sin2\ Cos2)/(Sin4 + Cos4) - 1$ is:

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. $-2Sin^2\ Cos^2$

    1

3. 0

4. -1

Solution :

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

Understanding/Application
$(1 - 2Sin^2 Cos^2)/(Sin^4 + Cos^4) - 1$ $= (1 - 2Sin^2 Cos^2 - Sin^4 - Cos^4)/(Sin^4 + Cos^4)$
$= 1 - (Sin^2 + Cos^2)^2/(Sin^4 + Cos^4)$ $= (1 - 1)/(Sin^4 + Cos^4)$ $= 0$

Question 89 :

Study the given table carefully and answer the question that follows. Year 2010 2011 2012 2013 2014 Number of students that appeared for an examination 600 750 840 960 1020 Number of students passed 420 510 525 620 810 Number of students passed with distinction 120 165 210 324 450 The percentage of students who have passed with distinction in the year 2012, is:

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. 20%

2. 25%

3. 27%

4. 22%

Solution :

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

Understanding/Application

Number of students who passed with distinction in the year 2012 = 210
Number of students who appeared in 2012 = 840
Percentage of students who passed with distinction in 2012 = (210 × 100)/840 = 25%

Question 90 :

In a particular year, the number of students enrolled in different streams in a college is as follow: Science Arts Commerce Vocational Boys Girls Boys Girls Boys Girls Boys Girls 32 18 28 45 42 42 13 30 The percentage of girl students is:

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 50%

2. 54%

3. 135%

4. 46%

Solution :

The correct answer is **Option 2** i.e. **54%.**

Understanding/Application
Total students in the college = (32 + 18 + 28 + 45 + 42 + 42 + 13 + 30) = 250
Total girls in the college = 18 + 45 + 42 + 30 = 115
Thus, the required percentage = (135 × 100)/250 = 54%

Question 91 :

The value of 3 - (9 - 3 × 8 ÷ 2) is

Difficulty : Moderate

Average Time : 42 Seconds

Options :

    -21

2. 0

3. 21/2

4. 6

Solution :

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

Understanding/Application
3 - (9 - 3 × 8 ÷ 2) = 3 - (9 - 3 × 4)
= 3 - (9 - 12) = 3 - (-3) = 3 + 3 = 6

Question 92 :

If $1 - 64x^3 - 12x + px^2 = (1 - 4x)^3$, then the value of p is:

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

Options :

1. -12

2. 16

3. -48

4. 48

Solution :

The correct answer is **Option 4** i.e. **48.**

Understanding/Application

$1 - 64x^3 - 12x + px^2 = (1 - 4x)^3$ $1 - 64x^3 - 12x + px^2 = 1 - 64x^3 - 12x + 48x^2$
$p = 48$

Question 93 :

If the given number 925x85 is divisible by 11, then the smallest value of x is:

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 3

2. 4

3. 2

4. 1

Solution :

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

Understanding/Application
For divisibility by 11, the sum of the alternative digits should be equal.
$9 + 5 + 8 = 2 + x + 5$ $22 = 7 + x$ $x = 15$ Smallest value of x = 15 - 11 = 4

Question 94 :

The value of 1512 - 1492 is:

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. 300

600

3. 2^2

4. 400

Solution :

The correct answer is **Option 2** i.e. **600.**

Understanding/Application
$151^2 - 149^2$ $= (149 + 2)^2 - 149^2$
$= 149^2 + 2^2 + 2(2)(149) - 149^2$ $= 4 + 596$ $= 600$

Question 95 :

While selling an article of marked price Rs.5,040 at a discount of 40%, if a trader gains 20%, then the profit in Rs is:

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Rs.720

2. Rs.504

3. Rs.642

4. Rs.2,520

Solution :

The correct answer is **Option 2** i.e. **Rs.504.**

Understanding/Application

M.P. = Rs. 5040
Discount = 40%
S.P. = 5040 × 60/100 = 3024
Gain = 20%
120% = 3024
Profit(20%) = 3024 × 20/120 = Rs. 504

Question 96 :

In the given figure, Cos is equal to:

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 12/13
2. 12/5
3. 5/12
4. 5/13

Solution :

The correct answer is **Option 4** i.e. **5/13.**

Understanding/Application
QR = 12 cm
QP = 13 cm
cos = PR/QP

Applying pyth. th. -

$PR^2 + QR^2 = PQ^2$

$PR^2 + 12^2 = 13^2$

$PR^2 = 25$

$PR = 5$ cm

$\cos = 5/13$

Question 97 :

If A : B = 3 : 5, and B : C = 2 : 3, then A : B : C is equal to:

Difficulty : Moderate   Average Time : 52 Seconds

Options :

1. 6 : 10 : 15

2. 3 : 8 : 6

3. 6 : 15 : 10

4. 3 : 7 : 3

Solution :

The correct answer is **Option 1** i.e. **6: 10: 15.**

Understanding/Application
A : B = 3 : 5, and B : C = 2 : 3   Multiplying eq1) by 2 and eq2) by 5 -
A : B = 6 : 10   B : C = 10 : 15   Thus, A: B: C = 6 : 10 : 15

Question 98 :

In figure, if A = 100o then C = ?

Difficulty : Moderate   Average Time : 45 Seconds

Options :

1. 100°
2. 80°
3. 50°
4. 90°

Solution :

The correct answer is **Option 2** i.e. **80°.**

Understanding/Application
ABCD is a cyclic quadrilateral. Sum of opposite angles in a cyclic quadrilateral is 180°.
$A + C = 180^o$ $100^0 + C = 180^o$ $C = 80^o$

Question 99 :

Two cars A and B leave Delhi at 8:30 a.m. and at 9 a.m. for shimla, respectively. They travel at the speeds of 40km/h and 50 km/h respectively. How many kilometres away from Delhi will the two cars be together?

Difficulty : Moderate   **Average Time : 70 Seconds**

Options :

1. 45 km
2. 5 km
3. 200 km
4. 100 km

Solution :

The correct answer is **Option 4** i.e. **100 km.**

Understanding/Application

Distance = speed(time)
Distance covered by car A in 30 min = 40(1/2) = 20 km (30 min = 30/60 hr = 1/2 hr)
Relative speed of car B = 50 - 40 = 10 km/hr
Distance travelled by car B to cover 20 km = 20/10 = 2 hr
Distance covered in 2 hr = 50(2) = 100 km

Question 100 :

The coefficient of y in the expansion of (2y - 5)3 , is:

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 50

2. -30

3. 150

4. -150

Solution :

The correct answer is **Option 3** i.e. **150.**

Understanding/Application
$(2y - 5)^3$ $(a - b)^3 = a^3 - b^3 - 3a^2b + 3ab^2$
$(2y - 5)^3 = (2y)^3 - 5^3 - 3(5)(2y)^2 + 3(2y)5^2$ $= 8y^3 - 125 - 60y^2 + 150y$ Thus, the coefficient of y = 150

Ssc Cgl Tier I Previous Year Question Paper

Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2020-03-07 in the Morning exam is as follows:

1. 100 questions were moderate.
2. The safe score is 140 marks.
3. 25 questions were asked from English Language, 25 questions were asked from Quantitative Aptitude, 25 questions were asked from Logical Reasoning and 25 questions were asked from General Awareness
4. 15 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

English Language

1. Cloze Test - 11
2. Spotting Error - 2
3. Parajumbles - 2
4. Idioms - 1
5. One Word Substitution - 1
6. Narration - 1
7. Sentence Improvement - 2
8. Synonym - 1
9. Antonym - 1
10. Filler (Vocab) - 2
11. Incorrectly Spelt - 1
12. Incorrectly Spelt - 1

Quantitative Aptitude

1. Geometry - 4
2. Data Sufficiency - 21

Logical Reasoning

1. Coding Decoding - 2
2. Analogy - 4
3. Classification - 3

Missing Characters - 1
5. Blood Relations - 1
6. Syllogism - 1
7. Venn Diagrams - 1
8. Dictionary Based - 1
9. Figure Based - 1
10. Matrix - 1
11. Paper-cutting, Folding, Punching - 1
12. Mirrors And Water Reflection - 1
13. Configuration, Fitting Pieces, Odd Pieces - 2
14. Series - 2
15. Mathematical Reasoning - 2
16. Cubes And Dice - 1

General Awareness

1. History - 3
2. Polity - 1
3. Science - 5
4. Geography - 4
5. GK Misc - 7
6. Current Affairs - 5

Ssc Cgl Tier I Previous Year Question Paper Tips and Tricks

TIPS & TRICKS

1. Try to solve Ssc Cgl Tier I Previous Year Question Paper without taking any help from the solutions.
2. Ssc Cgl 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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Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the Ssc Cgl Tier I Previous Year Question Paper. She has guided her team to provide the best explanation for the question.