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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 2020-03-06 in the Afternoon 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 :

Select the letter-cluster that can replace the question mark (?) in the following series. qDx, nHs, kLn, hPi,?

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

Options :

1. EtD
2. eTd
3. fTe
4. eSd

Solution :

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

Understanding

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Given series: qDx, nHs, kLn, hPi,?

The series follows the pattern:

q - 3 = n

D + 4 = H

x - 5 = s

Similarly,

h - 3 = e

P + 4 = T

i - 5 = d

The next term in the series is eTd.

Question 2 :

Which of the following sets is best represented by the given Venn diagram.

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

Options :

1. Truck, Ships, transport
2. Paragraph, Sentence, Pen
3. Weeks, years, Months
4. House, Window, Tenant

Solution :

The correct answer is **option 3** i.e **Weeks, years, Months.**

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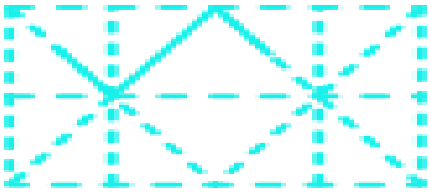
The possible Venn diagram is:

Years have months. Months have weeks.

Hence, the diagram given below shows the best relationship between them:



Question 3 :

How many triangles are present in the given figure?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

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

Solution :

The correct answer is **option 4** i.e **22.**

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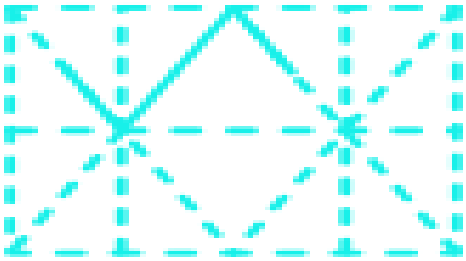

22 triangles: ABD, ADC, AFE, AFG, ACB, AGE, EHG, EHI, GHN, JKN, JLN, EGI, LKN, ELN, EGN, OPR, RPQ, ORQ, LMR, RMN, LRN, EJL.

Question 4 :

A group of three friends, K, L and M, are sitting in a cafe. Their average age is 24 years. Another friend 'N' joins the group and the new average age of the group becomes 23 years. If another friend 'R', whose age is 2 years more than that of 'N', replaces 'K', then the average age of L, M, N and R become 22.5 years. What is the age of K?

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

Options :

1. 24 years
2. 22 years
3. 20 years
4. 25 years

Solution :

The correct answer is **option 1** i.e **24 years.**

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The average age of K, L and M = 24 yrs

Sum(K + L + M) = 24 × 3 = 72 -------(1)

The average age of K, L, M and N = 23 yrs

Sum (K + L + M + N) = 23 × 4 = 92 ------(2)

From above equations N = 20 yrs

Age of R = N + 2 = 22 yrs

From equation (2);

L + M + N = 92 - K

According to the question;

(L + M + N + R) ÷ 4 = 22.5

(92 - K + R) ÷ 4 = 22.5

(92 - K + 22) = 90

K = 24 yrs

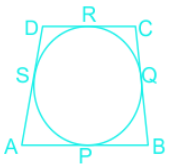
Hence, option 1 is the correct answer.

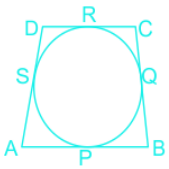
Question 5 :

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

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

Options :

1. 

2. 

3.

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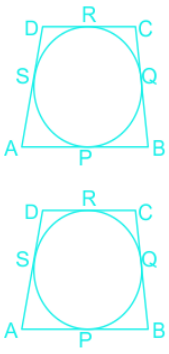
4. 

Solution :

The correct answer is **option 2**

Understanding
The circle is moving one place in the anticlockwise direction. The $ symbol is moving two places in the anticlockwise direction. The % symbol is moving two places in the clockwise direction.

Question 6 :

Select the most appropriate meaning of the given idiom. Pull a fast one

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

Options :

1. Trick someone
2. Progress fast
3. Take quick action
4. Believe someone easily

Solution :

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

The meaning of the given idiom is-

Pull a fast one- trick someone.

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

Question 7 :

Select the most appropriate option to fill in the blank. The poor man was _____ entry to the restaurant.

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

Options :

1. derived
2. denied
3. devoid
4. deluded

Solution :

The correct answer is option 4 i.e. deluded.

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

1. **derived**- to get something (especially a feeling or an advantage) from something.
2. **denied**- (to somebody) to refuse to allow somebody to have something.
3. **devoid**- not having a particular quality; without something.
4. **deluded**- to make somebody believe something that is not true.

She was **denied** permission to remain in the country.

The meaning of the chosen option suits the statement hence, it will be the correct answer.

Question 8 :

Select the correct passive form of the given sentence. A child could understand his theory.

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

Options :

1. His theory was understood by a child.
2. His theory could be understood by a child.
3. His theory can be understood by a child.
4. His theory is being understood by a child.

Solution :

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The correct answer is option 2 i.e.**His theory could be understood by a child.**

Active voice- Subject + could + v1 + object + other words.

Passive voice - Object + could be+ v3 + by + subject + other words.

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

Question 9 :

Given below are four jumbled sentences. Select the option that gives their correct order. A. These lotteries organised by State Governments sell dreams. B. Lured by this, millions of poor people waste their hard-earned money. C. Crores of rupees and gold are offered as prizes. D. People buy lotteries hoping to become rich overnight.

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

Options :

1. DACB
2. DBCA
3. CABD
4. CBAD

Solution :

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

- **Statement D** is independent and introduces the theme of the paragraph "Lotteries" hence, it will be the opening statement.
- **Statement A** contains the pronoun "**These**" that is used for the noun "**lotteries**" hence, A will follow D.
- **Statement C** shows the result of playing "lotteries" hence, it will come after A.
- Finally, B will come at the end of the statement.
- Now we have the final arrangement i.e. **DACB**.

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.

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Question 10 :

Select the ANTONYM of the given word. FICKLE

Difficulty : Moderate **Average Time : 96 Seconds**

Options :

1. Crafty
2. Flighty
3. Subtle
4. Stable

Solution :

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

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

1. **Stable**- a building in which livestock, especially horses, are kept.
2. **Fickle**- always changing your mind or your feelings so you cannot be trusted.
3. **Crafty**- clever at getting or achieving things by using unfair or dishonest methods.
4. **Flighty**- fickle and irresponsible.
5. **Subtle**- not very noticeable; not very strong or bright.

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

Question 11 :

In the sentence identify the segment which contains the grammatical error. We had a long discussion at a cup of coffee.

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

Options :

1. of coffee
2. at a cup
3. We had
4. a long discussion

Solution :

The correct answer is option 2 i.e. **at a cup.**

1. The error lies in **part 2** of the statement because of the wrong use of "**Preposition**".

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We need to replace "**At**" with "**Over**" for making the statement grammatically correct.

Grammatical Concept:-

- We had a chat (while) drinking a ***cup of coffee***. This describes two activities taking place at the same time.
- We had a chat over a ***cup of coffee***.
- "**Over a cup of coffee**" is the correct use of the preposition here.
- The chosen option contains the **ERROR** hence, it will be the correct answer.

The correct sentence will be-

*We had a long discussion **over a cup** of coffee.*

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. Agra's marble-marvel has such an overwhelming presence (1)_____ other monuments in the town have been relegated (2) _____ oblivion. Amongst such 60 odd monuments in (3) _____ town, the Red Taj is the most (4) _____ and relatively well-preserved. The tomb in red sandstone was (5) _____ by Ann Hessing, widow of a Dutch officer, after his death in 1803.

Question 12 :
Select the most appropriate option to fill in blank number (1).

Difficulty : Moderate **Average Time : 98 Seconds**

Options :

1. that
2. but
3. than
4. If

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

- The sentence shows the Importance and attractiveness of Agra's Marble-Marvel.
- The blank requires an appropriate conjunction (that) to suit the sentence context.

Hence, the chosen option 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. Agra's marble-marvel has such an overwhelming presence (1)_____

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other monuments in the town have been relegated (2) _____ oblivion. Amongst such 60 odd monuments in (3) _____ town, the Red Taj is the most (4) _____ and relatively well-preserved. The tomb in red sandstone was (5) _____ by Ann Hessing, widow of a Dutch officer, after his death in 1803.

Question 13 :

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

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

Options :

1. with
2. to
3. on
4. by

Solution :

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

- ***Relegate* to** is used is the correct use of the preposition here.
- Paul Martin was ***relegated* to** 15th place in our survey.
- Many bodily functions are not ***relegated* to** the involuntary.
- God can not be contained or ***relegated* to** a day on the calendar.

Hence, the chosen option will be correct here.

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. Agra's marble-marvel has such an overwhelming presence (1)_____ other monuments in the town have been relegated (2) _____ oblivion. Amongst such 60 odd monuments in (3) _____ town, the Red Taj is the most (4) _____ and relatively well-preserved. The tomb in red sandstone was (5) _____ by Ann Hessing, widow of a Dutch officer, after his death in 1803.

Question 14 :

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

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

Options :

1. the

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a

3. an
4. their

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

- Article "'**the**" will be the correct choice here.

Hence, the chosen option 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. Agra's marble-marvel has such an overwhelming presence (1)_____ other monuments in the town have been relegated (2) _____ oblivion. Amongst such 60 odd monuments in (3) _____ town, the Red Taj is the most (4) _____ and relatively well-preserved. The tomb in red sandstone was (5) _____ by Ann Hessing, widow of a Dutch officer, after his death in 1803.

Question 15 :
Select the most appropriate option to fill in blank number (4).

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

Options :

1. elegant
2. adequate
3. active
4. efficient

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

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

1. **elegant**- having a good or attractive style.
2. **adequate**- enough for what you need.
3. **active**- involved in activity; lively.
4. **efficient**- able to work well without making mistakes or wasting time and energy.

The chosen option has the meaning related to "attraction" that is suitable for the given statement.

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Hence, the chosen option 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. Agra's marble-marvel has such an overwhelming presence (1)_____ other monuments in the town have been relegated (2) _____ oblivion. Amongst such 60 odd monuments in (3) _____ town, the Red Taj is the most (4) _____ and relatively well-preserved. The tomb in red sandstone was (5) _____ by Ann Hessing, widow of a Dutch officer, after his death in 1803.

Question 16 :

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

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

Options :

1. building
2. to build
3. built
4. build

Solution :

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

- The given statement is in the passive voice hence "**Be + v3 (past participle)**".
- Only the chosen option is the "**Past participle"** form of the verb hence, it will suit the blank.

Hence, the chosen option will be correct.

Question 17 :

In the sentence identify the segment which contains the grammatical error. The both children go to the same school.

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

Options :

1. The both
2. children go
3. to the
4. same school

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

1. The error lies in **part 1** of the statement because of the wrong use of "**Article**".
2. We need to replace "**The both**" with "**Both the**" for making the statement grammatically correct.

Grammatical Concept:-

- In the case of "**Both**" article "**the**" is used before it.
- The chosen option contains the **ERROR** hence, it will be the correct answer.

The correct sentence will be-

Both the *children go to the same school.*

Question 18 :
Select the SYNONYM of the given word. CORDIAL

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

Options :
1. Rude
2. Cold
3. Hard
4. Warm

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

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

1. **Warm**- having a pleasant temperature that is fairly high, between cool and hot.
2. **Cordial**- pleasant and friendly.
3. **Rude**- not polite.
4. **Cold**- having a low temperature; not hot or warm.
5. **Hard**- not soft to touch; not easy to break or bend.

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

Question 19 :
Select the SYNONYM of the given word. DISHEARTENED

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Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Depressed
2. Disgusted
3. Disgraced
4. Disliked

Solution :

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

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

1. **Depressed**- very unhappy, often for a long period of time.
2. **Disheartened**- sad or disappointed.
3. **Disgusted**- not liking or approving of somebody/something at all.
4. **Disgraced**- to behave badly in a way that makes you or other people feel sorry and embarrassed.
5. **Disliked**- to think that somebody/something is unpleasant.

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

Question 20 :

Select the correct indirect form of the given sentence. Mahesh said to Rita, "Don't play in the sun."

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. Mahesh advised Rita not to play in the sun.
2. Mahesh told to Rita to not play in the sun.
3. Mahesh requested Rita that don't play in the sun.
4. Mahesh ordered Rita that not play in the sun.

Solution :

The correct answer is option 1 i.e. **Mahesh advised Rita not to play in the sun.**

- As the reported speech is in "**Imperative sentence**" we need to make changes according to this.
- There will be a change in the reporting verb and it will be changed into "**Advised**".
- The inverted comma will be changed into "**To**".

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

Question 21 :

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. If they will get married, they will probably settle in Mumbai.

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

Options :

1. If they will be getting married
2. If they get married
3. If they had got married
4. No improvement

Solution :

The correct answer is option 2 i.e. **If they get married.**

- The correct structure for the conditional statement is:-
- **If + subject + v1/v5 + object + other words, subject + will + v1 + object.**
- Only the chosen option follows the given rule hence, it will improve the statement correctly.

The correct sentence will be-

***If they get married**, they will probably settle in Mumbai.*

Question 22 :

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. They stopped to laugh as soon as the teacher entered the classroom.

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

Options :

1. stop laughing
2. stopped laughing
3. No improvement
4. stopped laugh

Solution :

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

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Stop can be **followed** by either ***a gerund*** or ***an infinitive*** with a change in meaning.

- **Stop + to + infinitive (if the meaning is to start something)**
- She was cleaning the house and she stopped to get some rest.
- **Stop + gerund (if the meaning is discontinue something)**
- My grandmother stopped smoking when she felt some pain in her heart.
- The statement shows the discontinuity hence "**stop + gerund**" will be correct here.
- The chosen option follows this hence, it will improve the statement correctly.

The correct sentence will be-

*They **stopped laughing** as soon as the teacher entered the classroom.*

Question 23 :

Select the word which means the same as the group of words given. Pertaining to an individual from birth

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

Options :

1. Congenital
2. Habitual
3. Chronic
4. Anomaly

Solution :

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

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

1. **Congenital**- existing at or dating from birth congenital deafness.
2. **Habitual**- doing something very often.
3. **Chronic**- (used about a disease or a problem) that continues for a long time.
4. **Anomaly**- Something different, abnormal, peculiar, or not easily classified.

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

Question 24 :

Select the INCORRECTLY spelt word.

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

Options :

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Monarch

2. Rebel
3. Delegait
4. Edible

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

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

1. **Delegate**- a person who has been chosen to speak or take decisions for a group of people, especially at a meeting.
2. **Monarch**- a king or queen.
3. **Rebel**- a person who fights against his/her country's government because he/she wants things to change.
4. **Edible**- good or safe to eat.

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

Question 25 :
Select the INCORRECTLY spelt word.

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

Options :
1. Opportunity
2. Omision
3. Obscure
4. Obsolete

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

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

1. **Omission**- something neglected, left out, or left undone.
2. **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.
3. **Obscure**- not well known.
4. **Obsolete**- no longer useful because something better has been invented.

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

Question 26 :

Given below are four jumbled sentences. Select the option that gives their correct order. A. These are generated by a violent undersea disturbance or ocean activity. B. Once generated, they travel outward on the ocean surface in all directions. C. A tsunami is made up of a series of very long waves. D. Spreading thus, they look like ripples caused by throwing a rock in a pond.

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

Options :

1. BDCA
2. BADC
3. CABD
4. CBDA

Solution :

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

- **Statement C** is independent and introduces the theme of the paragraph "**Tsunami** " hence, it will be the opening statement.
- **Statement A** starts with a pronoun "**These**" that is being used for the noun "**waves**" that is in statement C hence, A will come after C.
- **"hey travel and they look like"** make a sequence hence, B and D will come respectively.
- Now we have the final arrangement i.e. **CABD**.

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 27 :

Select the most appropriate meaning of the given idiom. See eye to eye

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Difficulty : Moderate

Average Time : 97 Seconds

Options :

1. Be suspicious
2. Agree with someone
3. See clearly
4. Stare at someone

Solution :

The correct answer is option 2 i.e. **Agree with someone.**

The meaning of the given idiom is-

See eye to eye- be in full agreement.

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

Question 28 :

Select the most appropriate option to fill in the blank. Have you _____ for a job in this company?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. approved
2. applied
3. supplied
4. appointed

Solution :

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

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

1. **approved**- to be pleased about something; to like somebody/something.
2. **applied**- (used about a subject) studied in a way that has a practical use.
3. **supplied**- to give or provide something.
4. **appointed**- to choose somebody for a job or position.

"**Apply for a job"** will be a correct phrase here.

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Hence, the chosen option will be correct here.

Question 29 :
Select the ANTONYM of the given word. HASTE

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

Options :
1. Lose
2. Rush
3. Dash
4. Delay

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

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

1. **Delay**- to make somebody/something slow or late.
2. **Haste**- speed in doing something, especially because you do not have enough time.
3. **Lose**- to become unable to find something.
4. **Rush**- to move or do something very quickly or in a way that shows you are in a hurry.
5. **Dash**- an act of going somewhere suddenly and quickly.

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

Question 30 :
Select the word which means the same as the group of words given. To increase the speed

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

Options :
1. Accelerate
2. Activate
3. Exhilarate
4. Assimilate

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

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

1. **Accelerate**- to go faster; to make something go faster or happen more quickly.
2. **Activate**- to make something start working.
3. **Exhilarate**- to make somebody feel very excited and happy.
4. **Assimilate**- to become or allow somebody/something to become part of a country, a social group, etc.

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

Question 31 :
Which of the following statements is correct concerning the Karachi Session of the Congress (1931)?

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

Options :

1. The Gandhi-Irwin Pact was ratified
2. Mahatma Gandhi presided over the session
3. The Khilafat movement was launched at this event
4. The Quit-India Resolution was passed

Solution :
The correct answer is **option 1** i.e. **The Gandhi-Irwin Pact was ratified.**

- The Congress endorsed the Gandhi-Irwin Pact in the Karachi Session of 1931, which was held from March 26-31.
- Gandhi signed this agreement to free the inmates who had not been violent during the Civil Disobedience Movement, which the British had ruthlessly put an end to.
- Gandhi was nominated to represent Congress in the Second Round Table Conference.
- Irwin was presented with 11 demands by Gandhi. They are: (1) Prohibit intoxicants; (2) Alter the exchange rate between the rupee and the pound; (3) Lower the rate of land revenue; (4) Eliminate the salt tax; (5) Cut back on military spending; (6) Cut back on civil administration spending; (7) Impose customs duty on foreign cloth; (8) Accept the Postal Reservation Bill; (9) Disband the CID department; (10) Release all political prisoners; and (11) Grant licenses for the possession of firearms for self-defense. Gandhi made it clear that civil disobedience was the only option if the 11 points were disregarded. After that, he started the well-known Dandhi march.

Question 32 :
Which ISO certification pertains to Environmental Management Systems?

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

Options :

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9001

2. 14001
3. 22000
4. 27001

Solution :

The correct answer is **option 2** i.e **14001.**

- ISO 14001 sets out the criteria for an environmental management system and can be certified.
- It maps out a framework that a company or organization can follow to set up an effective environmental management system.

Question 33 :

Under which Article can the Parliament amend the Constitution?

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

Options :

1. Article 374
2. Article 368
3. Article 74
4. Article 269

Solution :

The correct answer is **option 2** i.e. **Article 368.**

- Part XX **Article 368** of the Constitution of India grants constituent power to make formal amendments and empowers the Parliament to amend the Constitution by way of addition, variation or repeal of any provision according to the procedure laid down therein, which is different from the procedure for ordinary legislation.
- This procedure ensures the sanctity of the Constitution of India and keeps a check on arbitrary power of the Parliament of India.

Question 34 :

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

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

Options :

1. Sikkim
2. Arunachal Pradesh
3. West Bengal
4. Meghalaya

Solution :

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

- The Bhutan-India Border's the international boundary between the Kingdom of Bhutan and the Republic of India.
- The border is 699 km long and adjoins the Indian states of Assam, Arunachal Pradesh, West Bengal, and Sikkim.

Question 35 :

With which sport is Archana Kamath associated?

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

Options :

1. Badminton
2. Lawn Tennis
3. Table Tennis
4. Squash

Solution :

The correct answer is **option 3** i.e. **Table Tennis.**

- Archana Kamath is associated with Table Tennis.
- She is the first player in Karnataka to hold that distinction in TT history.

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Archana started playing table tennis at the age of 9 years.

Question 36 :

Which country hosted the 13th South Asian Games?

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

Options :

1. Maldives
2. Nepal
3. India
4. Bhutan

Solution :

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

- The 2019 South Asian Games, officially the XIII South Asian Games, was a major multi-sport event that was originally slated to be held from 9 to 18 March 2019 in Kathmandu and Pokhara, Nepal.
- However, the dates were postponed and the event was held from 1–10 December 2019.

Question 37 :

The Arid Forest Research Institute is located in _____.

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

Options :

1. Jaipur
2. Jodhpur
3. Dehradun
4. Ahmedabad

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Solution :

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

- Arid Forest Research Institute (AFRI) is a research institute situated in Jodhpur, Rajasthan, India.
- The institute conducts scientific research in forestry in order to provide technologies to increase the vegetative cover and to conserve biodiversity in the hot arid and semi-arid regions of Rajasthan and Gujarat.

Question 38 :

Which among the following is the food tube?

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

Options :

1. Thymus
2. Larynx
3. Oesophagus
4. Aorta

Solution :

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

- The structure commonly called the food tube is the oesophagus; it is the tube that connects the throat to the stomach.
- The oesophagus is about 8 inches long and is lined by moist pink tissue called the mucosa.
- It runs behind the windpipe (trachea) and heart, and in front of the spine.

Question 39 :

In which year was NABARD established?

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Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 1979
2. 1982
3. 1981
4. 1978

Solution :

The correct answer is **option 2** i.e **1982.**

- National Bank for Agriculture and Rural Development (NABARD) is an apex regulatory agency for Regional Rural Banks and Cooperative Banks under the jurisdiction of the Ministry of Finance, Government of India.
- NABARD was established on 12 July 1982 to implement the National Bank for Agriculture and Rural Development Act 1981.

Question 40 :

Ozone at the higher level of the atmosphere is a product of _____ acting on oxygen molecules.

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Gamma rays
2. X-rays
3. UV radiation
4. IR radiation

Solution :

The correct answer is **option 3** i.e. **UV radiation.**

- Ozone at higher levels of the atmosphere is a product of UV radiation acting on oxygen molecules.

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UV radiation splits apart some molecular oxygen into free oxygen atoms.

- Ozone is a gas molecule composed of three oxygen atoms.

Question 41 :

The SASTRA - Ramanujan Prize is awarded in the field of:

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

Options :

1. Mathematics
2. Dance
3. Literature
4. Chemistry

Solution :

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

- The SASTRA Ramanujan Prize, founded by Shanmugha Arts, Science, Technology & Research Academy (SASTRA) located near Kumbakonam, India, Srinivasa Ramanujan's hometown, is awarded every year to a young mathematician judged to have done outstanding work in Ramanujan's fields of interest.
- The age limit for the prize has been set at 32.

Question 42 :

Which of the following is a heritage site of Madhya Pradesh?

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

Options :

1. Hampi
2. Sasaram

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Bhimbetka

4. Lepakshi

Solution :

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

Three sites in Madhya Pradesh have been declared World Heritage Sites by UNESCO:

1. The Khajuraho Group of Monuments (1986)
2. Buddhist Monuments at Sanchi (1989)
3. The Rock Shelters of Bhimbetka (2003)

Question 43 :

Select the option in which the numbers are related in the same way as are the numbers in the given set. (343, 98, 21)

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

Options :

1. (1728, 288, 24)
2. (1331, 242, 33)
3. (217, 72, 18)
4. (512, 126, 27)

Solution :

The correct answer is **option 2** i.e **(1331, 242, 33).**

Understanding	Application

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The logic used here is: (343, 98, 21) $7^3 \times 1 = 343$ $7^2 \times 2 = 98$ $7^1 \times 3 = 21$	Similarly, **(1331, 242, 33)** **$11^3 \times 1 = 1331$** **$11^2 \times 2 = 242$** **$11^1 \times 3 = 33$** Hence, option 2 is the correct answer.

Question 44 :

A + B means 'A is the father of B'; A - B means 'A is the sister of B'; A × B means 'A is the brother of B'; A ÷ B means 'A is the daughter of B'; If, R + S × T - V ÷ U, then how is S related to U?

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

Options :

1. Son
2. Brother
3. Husband
4. Daughter

Solution :

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

Understanding	Application

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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. 	Thus considering the figure, S is the son of U. Considering all the four options the most appropriate is option 1.

Question 45 :

Select the option that is related to the third word in the same way as the second word is related to the first word. Crop : Farmer : : Food : ?

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

Options :

1. Chef
2. Vegetables
3. Utensil
4. Kitchen

Solution :

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

Understanding	Application
Crops are grown by farmers.	Similarly, **Food is made by chefs.** Hence, option 1 is the correct answer.

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Question 46 :

In a certain code language, BREATHER is coded as 29512859. How will AVIATION be coded as in that language?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 14912956
2. 14912965
3. 12912954
4. 12910965

Solution :

The correct answer is **option 2** i.e **14912965.**

Understanding	Application
Given: BREATHER is coded as 29512859 The logic used here is: B = 2 R = 18 = 1 + 8 = 9 E = 5 A = 1 T = 20 = 2 + 0 = 2 H = 8 E = 5 R = 18 = 1 + 8 = 9	Similarly, **Code for the word AVIATION:** **A = 1** **V = 22 = 2 + 2 = 4** **I = 9** **A = 1** **T= 20 = 2 + 0 = 2** **I = 9** **O = 15 = 1 + 5 = 6** **N = 14 = 1 + 4 = 5** Hence, option 2 is the correct answer.

Question 47 :

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

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Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. Brass
2. Iron
3. Silver
4. Copper

Solution :

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

Understanding
Iron, Silver and Copper are pure metals whereas Brass is an alloy. Hence, **Brass** is the odd one out.

Question 48 :

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 : 50 Seconds

Options :

1.
2.
3.

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Solution :

The correct answer is **option 3**

Understanding
After unfolding, the paper will appear as follows: When the paper is unfolded the two circles will appear similarly at the bottom and top and the triangles will be facing towards the centre.

Question 49 :

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

Average Time : 73 Seconds

Options :

1. 14, 8
2. 56, 2
3. 28, 5
4. 16, 7

Solution :

The correct answer is **option 3** i.e **28, 5.**

Understanding

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The logic used here is:

The product of both the numbers should be 112.

Option 1: 14 × 8 = 112

Option 2: 56 × 2 = 112

Option 3: 28 × 5 =140

Option 4: 16 × 7 = 112

Option 3 does not follow the logic.

Hence, **option 3** is the odd one out.

Question 50 :

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 : 55 Seconds**

Options :

1.
2.
3.
4.

Solution :

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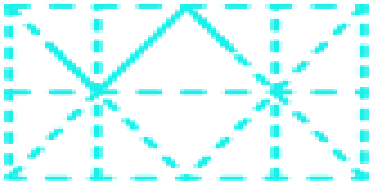
The correct answer is **option 4**

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 51 :

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 from the statements. Statements: 1. All books are magazines. 2. Some books are novels. Conclusions: I. Some magazines are books. II. No Magazine is a book. III. No novel is a magazine. IV. Some novels are books.

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

Options :

1. Only conclusions II and III follow.
2. Only conclusions I and II follow.
3. Only conclusions I and IV follow.
4. Only conclusions I, II and IV follow.

Solution :

The correct answer is **option 3** i.e **Only conclusions I and IV follow.**

Understanding

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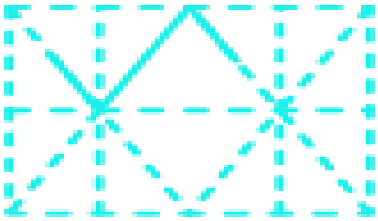
The least possible Venn Diagram for the given statements is drawn below:



Conclusions:

I. Some magazines are books **True** (All books are part of magazines, so some magazines are also part of books).

II. No Magazine is a book **False** (All books are part of magazines, so some magazines are also part of books).

III. No novel is a magazine **False** (As, some novel are books and all books are magazines, so no novel is magaize is false).

IV. Some novels are books **True** (As this can be seen from the diagram)

Hence, Only conclusions I and IV follow.

Question 52 :

Select the cube that can be formed by folding the given sheet (unfolded box) along the lines.

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

Options :

1.

2.

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3.

4.

Solution :

The correct answer is **option 4**

Understanding
After folding the sheet along the lines;
X is opposite to @
Q is opposite to #
* is opposite to R
From the first option, X is not opposite to @.
From the second option, * is not opposite to R.
From the third option, Q is not opposite to #.
The fourth option satisfies all the given conditions.
Hence, **option 4** is the correct answer.

Question 53 :

Four lettter-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 : 81 Seconds**

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Options :

1. VINE
2. SWJK
3. NOHA
4. LAIM

Solution :

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

Understanding
VINE, NOHA, LAIM have two vowels. SWJK does not have any vowel. Hence, **SWJK** is the odd one out.

Question 54 :

Study the given pattern carefully and select the number that can replace the question mark (?) in it.

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

Options :

1. 18
2. 16
3. 14
4. 10

Solution :

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

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In the first column; (2nd element - 3rd element) × 1st element = 4th element Column 1: (15 - 14) × 10 = 10 Column 3: (8 - 6) × 7 = 14	Similarly, **Column 2:** **(7 - 3) × 4 = 16** Hence, option 2 is the correct answer.

Question 55 :

Select the number that can replace the question mark (?) in the following series. 11, 12, 36, 41, ? , 296

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

Options :

1. 287
2. 48
3. 123
4. 205

Solution :

The correct answer is **Option 1** i.e **287.**

Understanding

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Given series: 11, 12, 36, 41, ? , 296

The logic used here is:

11 + 1 = 12

12 × 3 = 36

36 + 5 = 41

41 × 7 = 287

287 + 9 = 296

The next term in the series is **41 × 7 = 287**

Hence, option 1 is the correct answer.

Question 56 :

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

_uvwuv_wvtuw_uvwuv_wv_uw

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

Options :

1. t t u t v
2. t v w t t
3. t t t t t
4. t u t u t

Solution :

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

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The sequence is – **tuvwuvtwvtuw** _uvwuv_wvtuw_uvwuv_wv_uw We need to fill it with the help of options and then check the pattern.	The complete series is as follows: **t**uvwuv**t** wvtuw / **t** uvwuv**t**wv**t** uw Hence, **t t t t t** will be in blank spaces.

Question 57 :

If the following words are arranged as per their order in the English dictionary, which word will come fifth in the sequence?

1. Weekly 2. Weather 3. Weird 4. Weaver 5. Weight 6. Wielded

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

Options :

1. Weekly
2. Weird
3. Weilded
4. Weight

Solution :

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

Understanding

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In this question, you need to arrange the words as per their order in the English dictionary and find the word which will come fifth in the sequence.

So the arrangement is;

1. Weather
2. Weaver
3. Weekly
4. Weight
5. Weird
6. Wielded

The word that will come fifth in the sequence is Weird.

Question 58 :

In a certain code language, 'VERBAL' is written as 'QNMYXK' and 'REACH' is written as 'MNXZF'. How will 'BRAVE' be written as in that language?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. YMXQN
2. KMQXN
3. YNXQM
4. KQNMX

Solution :

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

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Given: Each letter is assigned a particular code. 'VERBAL' is written as 'QNMYXK' 'REACH' is written as 'MNXZF' V is coded as Q E is coded as N R is coded as M B is coded as Y A is coded as X L is coded as K R is coded as M E is coded as N A is coded as X C is coded as Z H is coded as F	Similarly, Code for the word BRAVE: B is coded as Y R is coded as M A is coded as X V is coded as Q E is coded as N Hence, option 1 is the correct answer.

Question 59 :

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

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

Options :

1.

2.

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3.

4.

Solution :

The correct answer is **option 3**

Understanding
The given figure is embedded in option 3, as shown below:

Question 60 :

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. 78 : 117 : : 90 : ? : : 108 : 162

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. 126
2. 117
3. 144
4. 135

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Solution :

The correct answer is **option 4** i.e **135.**

Understanding	Application
The logic used here is: 78: 117 78 + (78 ÷ 2) = 117 108 : 162 108 + (108 ÷ 2) = 162	Similarly, **90 : ?** **90 + (90 ÷ 2) = 135** Hence, option 4 is the correct answer.

Question 61 :

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

_m_ln_mlmnk_k_nl

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

Options :

1. k, n, k, l, m
2. k, l, k, l, m
3. m, n, k, l, m
4. l, n, k, l, n

Solution :

The correct answer is **option 1** i.e **k, n, k, l, m.**

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The given sequence is – _m_ln_mlmnk_k_nl We need to fill it with the help of options and then check the pattern.	The complete series is as follows: **k**m**n**l / n**k**ml / mnk**l** / k**m**nl In the cluster of 4 letters (k, l, m, n); 3rd letter becomes the 1st letter and the remaining letters shift towards the right. Hence, **k, n, k, l, m** will be in blank spaces.

Question 62 :

The two given expressions on both sides of the '=' signs will have the same value if two numbers from either side or both side are interchanged. Select the correct numbers to be interchanged from the given options. 4 + 6 × 7 - 27 ÷ 3 = 7 × 8 - 4 + 39 ÷ 3

Difficulty : Moderate

Average Time : 83 Seconds

Options :

1. 3, 4
2. 6, 8
3. 8, 7
4. 6, 4

Solution :

The correct answer is **option 2** i.e. **6, 8**

Understanding

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Given equation: 4 + 6 × 7 - 27 ÷ 3 = 7 × 8 - 4 + 39 ÷ 3

Check the options

Option 1: 3, 4

After interchanging the equation becomes;

3 + 6 × 7 - 27 ÷ 4 = 7 × 8 - 3 + 39 ÷ 4

38.25 is not equal to 68.25.

Hence, option 1 is not the correct answer.

Option 2: 6, 8

After interchanging the equation becomes;

4 + 8 × 7 - 27 ÷ 3 = 7 × 6 - 4 + 39 ÷ 3

51 = 51

Since we got our answer, we don't need to check other options.

Hence, option 2 is the correct answer.

Question 63 :

In July 2019, which among the following operations was launched by the BSF to fortify the Pakistan border in Punjab and Jammu?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. Vayuputra
2. Chakravyuh
3. Sudarshan
4. Garuda

Solution :

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

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- Border Security Force (BSF) launched a massive exercise, code-named as Sudarshan, to fortify Anti-Infiltration Grid along Pakistan border in Punjab and Jammu. The operation was launched on 1 July and is expected to be finished within a fortnight.

Question 64 :

Which of the following is an east-flowing river?

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

Options :

1. Sabarmati
2. Sharavati
3. Mahi
4. Brahmani

Solution :

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

- East Flowing Rivers: 1.These rivers originate from the Western Ghats and flow eastwards.
- These rivers flow into the Bay of Bengal and form deltas at their mouths.
- The Brahmani is a major seasonal river in the Odisha state of eastern India. The Brahmani is formed by the confluence of the Sankh and South Koel rivers and flows through the districts of Sundargarh, Deogarh, Angul, Dhenkanal, Cuttack, Jajapur and Kendrapara.

Question 65 :

Under which of the following Amendments to the Constitution of India is defection to another party after the election made

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illegal?

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

Options :

1. 92nd
2. 61st
3. 52nd
4. 86th

Solution :

The correct answer is **Option 3** i.e **52nd.**

- The 10th Schedule of the Indian Constitution is designed to prevent political defections prompted by the lure of office or material benefits or other like considerations.
- The Anti-defection law was passed by Parliament in 1985 and was reinforced in 2002.
- The 10th Schedule of the Indian Constitution popularly referred to as the 'Anti-Defection Law' was inserted by the 52nd Amendment (1985) to the Constitution.

Question 66 :

The Battle of Chausa was fought between Humayun and _____.

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

Options :

1. Nadir Shah
2. Krishnadeva Raya

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Sher Shah Suri

4. Hemu

Solution :

The correct answer is **option 3** i.e **Sher Shah Suri.**

- The Battle of Chausa was a notable military engagement between the Mughal emperor, Humayun, and the Afghan, Sher Shah Suri.
- It was fought on 26 June 1539 at Chausa, 10 miles southwest of Buxar in modern-day Bihar, India.

Question 67 :

How many degrees does the Earth rotate about its own axis in one hour?

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

Options :

1. 24
2. 15
3. 20
4. 10

Solution :

The correct answer is **option 2** i.e. **15.**

- The earth turns once on its axis in 24 hours.
- This rotation is a full 360°. So, in one hour, the earth turns 15°.
- Every four minutes, the earth has turned one degree.
- In one minute of time, the earth has turned 15 minutes of arc. So, every four seconds of time, the earth rotates one minute of arc.
- Note: The Earth is tilted **23.5**$^{\circ}$ degrees on its axis.

Question 68 :

The first electron shell which is the nearest to the nucleus never holds more than 'n' electrons, where 'n' is equal to:

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Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 4
2. 8
3. 2
4. 6

Solution :

The correct answer is **option 3** i.e **2.**

- The closest shell to the nucleus is called the "1 shell" (also called the "K shell") and can hold up to two electrons.

Question 69 :

In January 2020, with which country did India sign an MoU for content exchange programme between All India Radio and Betar?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Bhutan
2. Nepal
3. Bangladesh
4. Sri Lanka

Solution :

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

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- India and Bangladesh signed key agreements in the field of Information and Broadcasting at the Information and Broadcasting Minister's meet 2020, in New Delhi.
- An MoU between National Film Development Corporation, India and Film Development Corporation, Bangladesh, was also signed.

Question 70 :

Which of the following monuments is NOT a part of the Qutub Complex?

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

Options :

1. Qutub Minar
2. Quwwat-ul-Islam Mosque
3. Alai Darwaza
4. Buland Darwaza

Solution :

The correct answer is **option 4** i.e. **Buland Darwaza.**

- The Qutub complexes are monuments and buildings from the Delhi Sultanate at Mehrauli in Delhi in India.
- Buland Darwaza is the main entrance to the Jama Masjid at Fatehpur Sikri, which is 43 km from Agra, India.
- Qutub Minar was made by Qutub-ud-din-Aibak.
- Alai Darwaza was made by Alauddin Khilji.
- Quwwat-ul-Islam Mosque was also made by Qutub-ud-din-Aibak.

Question 71 :

Who is the author of the book 'Hazaar Chaurasi Ki Maa'?

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

Options :

1. Rita Kothari

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Sugathakumari

3. Mahasweta Devi
4. Krishna Sobti

Solution :

The correct answer is **option 3** i.e **Mahasweta Devi.**

- Hajar Churashir Maa is a 1974 Bengali novel written by Ramon Magsaysay Award winner Mahasweta Devi.
- It was written in 1974 on the backdrop of the Naxalite revolution in the Seventies.

Question 72 :

The following table shows the daily earnings of 45 skilled workers. Earnings (in Rs.) 700 to 800 800 to 900 900 to 1,000 1,000 to 1,100 1,100 to 1,200 1,200 to 1,300 Number of workers 4 15 10 10 4 2 How many workers earn less than Rs.1,100 in a day?

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

Options :

1. 10
2. 29
3. 39
4. 43

Solution :

The correct answer is **Option 3** i.e. **39.**

Understanding/Application
Total number of worker who earn less than 1100 in a day fall in the groups of the worker who earn less than 1100.

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Total workers who earn less than 1100 in a day = 4 + 15 + 10 + 10 = 39

Question 73 :

By which act the power from the British East India Company was transferred to the British Crown in India?

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

Options :

1. Government of India Act, 1947
2. Government of India Act, 1833
3. Government of India Act, 1835
4. Government of India Act, 1858

Solution :

The correct answer is **Option 4** i.e. **Government of India Act, 1858.**

- The Government of India Act 1858 was an Act of the Parliament of the United Kingdom passed on 2 August 1858.
- Its provisions called for the liquidation of the British East India Company (who had up to this point been ruling British India under the auspices of Parliament) and the transference of its functions to the British Crown.

Question 74 :

In the context of rivers and their tributaries, which of the following pairs is correct?

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

Options :

1. Alaknanda – Pindar
2. Indus – Subansiri
3. Godavari – Kabini
4. Krishna – Manjra

Solution :

The correct answer is **option 1** i.e. **Alaknanda – Pindar.**

- The Alaknanda is a Himalayan river in the Indian state of Uttarakhand.
- The five main tributaries joining with Alaknanda in order include Dhauliganga, Nandakini, Pindar, Mandakini, and Bhagirathi all rising in the northern mountainous regions of Uttarakhand.

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Karnaprayag is one of the Panch Prayag (five confluences) of the Alaknanda River, where the Alaknanda and Pindar Rivers meet.

Question 75 :

Which of the following pairs is associated with the taxation system of the Marathas?

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

Options :

1. Zat and Sawar
2. Chauth and Sardeshmukhi
3. Polaj and Parauti
4. Iqta and Jagir

Solution :

The correct answer is **option 2** i.e. **Chauth and Sardeshmukhi.**

- Chauth was a regular tax or tribute imposed, from the early 18th century, by the Maratha Empire in the Indian subcontinent.
- It was an annual tax nominally levied at 25% on revenue or produce, hence the name. It was levied on the lands which were under the nominal Mughal rule.
- The Sardeshmukhi was an additional 10% levy on top of the Chauth. It is a tribute paid to the king. It was started by Koli Maharaja Som Shah of Ramnagar.

Question 76 :

Which female Indian cricketer won the BCCI C.K. Nayudu Lifetime Achievement Award for 2019?

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

Options :

1. Shantha Rangaswamy
2. Anjum Chopra
3. Jhulan Goswami
4. Diana Edulji

Solution :

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

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- The BCCI Awards are a set of annual cricket awards given by the Board of Control for Cricket in India (BCCI).
- **Anjum Chopra** female Indian cricketer won the BCCI C.K. Nayudu Lifetime Achievement Award for 2019.

Question 77 :

Amit borrowed a sum of Rs.25,000 on simple interest. Bhola borrowed the same amount on compound interest (interest compounded yearly). At the end of 2 years, Bhola had to pay Rs.160 more interest than amit. The rate of interest charged per annum is:

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

Options :

1. 16/25%
2. 8%
3. 8/25%
4. 3(1/8)%

Solution :

The correct answer is **Option 2** i.e. **8%.**

Understanding/Application
Difference of C.I. and S.I. = 160
$p(1 + r/100)^t - p - prt/100 = 160$
p = 25000
t = 2 years

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$25000(1 + r/100)^2 - 25000 - (25000 \times r \times 2)/100 = 160$

$25000(1 + (r/100)^2 + 2r/100) - 25000 - (25000 \times r \times 2)/100 = 160$

$25000 \times (r/100)^2 = 160$

$r^2 = 160/2.5$

$r^2 = 64$

$r = 8\%$

Question 78 :

The lengths of the diagonals of a rhombus are 16 cm and 12 cm. Its area is:

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

Options :

1. 69 cm^2
2. 28 cm^2
3. 48 cm^2
4. 96 cm^2

Solution :

The correct answer is **Option 4** i.e. **96 cm^2.**

Understanding/Application
Area of rhombus = Product of diagonals/2
Area of rhombus = $(16 \times 12)/2 = 96$ cm^2

Question 79 :

The coefficient of x in (x - 3y)3 is:

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

Options :

1. $-3y^2$

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$-27y^2$

3. $27y^2$
4. $3y^2$

Solution :

The correct answer is **Option 3** i.e. **$27y^2$.**

Understanding/Application
$(a - b)^3 = a^3 - b^3 - 3ab(a - b)$ $(x - 3y)^3 = x^3 - (3y)^3 - 3(x)(3y)\ (x - 3y)$
$= x^3 - 27y^3 - 9xy(x - 3y)$ $= x^3 - 27y^3 - 9x^2y + 27xy^2$ Thus, the coefficient of $x = 27y^2$

Question 80 :

If a + 1/a = 5 then a3 + (1/a3) is:

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

Options :

1. 80
2. 110
3. 10
4. 140

Solution :

The correct answer is **Option 2** i.e. **110.**

Understanding/Application
$(a + b)^3 = a^3 + b^3 + 3ab(a + b)$ $a^3 + b^3 = (a + b)^3 - 3ab(a + b)$

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$a + 1/a = 5$ $a^3 + 1/a^3 = (a + 1/a)^3 - 3a(a + b)/a = (a + 1/a)^3 - 3(a + b)$ $= 5^3 - 3(5)$ $= 125 - 15$ $= 110$

Question 81 :

The largest number which should replace * in the number 2365*4 to make the number divisible by 4 is:

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

Options :

1. 8
2. 0
3. 9
4. 2

Solution :

The correct answer is **Option 1** i.e. **8.**

Understanding/Application
For divisibility by 4, the last two digits of the number should be divisible by 4.
For the largest value - * = 8

Question 82 :

Two cyclists X and Y start at the same time from place A and go to towards place B at a speed of 6 km/h and 8 km/h, respectively. Despite stopping for 15 minutes during the journey, Y reaches 10 minutes earlier than X. The distance between the places A and B is:

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

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Options :

1. 6 km
2. 8 km
3. 16.5 km
4. 10 km

Solution :

The correct answer is **Option 4** i.e. **10 km.**

Understanding/Application
Time taken by x = Time taken by y + 10 min Time = distance/speed Let the distance be m. m/6 = m/8 + 15/60 + 10/60 m/6 = m/8 + 1/4 + 1/6
m/6 = (3m + 6 + 4)/24 m = (3m + 10)/4 4m - 3m = 10 m = 10 km

Question 83 :

Amit and Sunil together can complete a work in 9 days, Sunil and Dinesh together can complete the same work in 12 days, and Amit and Dinesh together can complete the same work in 18 days. In how many days will they complete the work if Amit, Sunil and Dinesh work together?

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

Options :

1. 16 days
2. 12 days
3. 14 days

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8 days

Solution :

The correct answer is **Option 4** i.e. **8 days.**

Understanding/Application
Let the total work be 36 units. (L.C.M of 9, 12, and 18 is 36) Efficiency of Amit and Sunil = 36/9 = 4units/day Efficiency of Sunil and Dinesh = 36/12 = 3units/day Efficiency of Amit and Dinesh = 36/18 = 2units/day Efficiency of three of them together = (4 + 3 + 2)/2 = 9/2
Time taken by three of them to complete the work = 36/9/2 = 8 days

Question 84 :

The following table shows the income (in Rs.) for a particular month, together with their source, in respect of 5 employees (A, B, C, D and E). A B C D E Salary 52,000 48,500 42,000 31,000 25,000 Overtime 0 0 1,500 2,500 3,200 Arrears 5,500 4,500 4,000 3,000 1,500 Bonus 3,500 3,000 2,500 2,000 2,000 Miscellaneous income 5,000 3,000 2,000 1,500 0 Total 66,000 59,000 52,000 40,000 31,700 How many employees got more than a total of Rs.10,000 as income other than salary?

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

Options :

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

Solution :

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

Understanding/Application
Salary of A = 52000 Other income of A = 66000 - 52000 = 14000 Salary of B = 48500 Other income of B = 59000 - 48500 = 10500 Salary of C = 42000 Other income of C = 52000 - 42000 = 10000 Salary of D = 31000 Other income of D = 40000 - 31000 = 9000 Salary of E = 25000 Other income of E = 31700 - 25000 = 6700
Only A and B got more than 10000 as income other than salary.

Question 85 :

In the given figure, if APO = 35o, then which of the following options is correct?

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

Options :

1. BPO = 55^o
2. APB = 80^o
3. BPO = 35^o
4. APB = 60^o

Solution :

The correct answer is **Option 3** i.e **BPO = 35^o**

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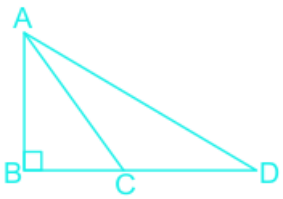

Understanding/Application
APO = 35^{o} AP and BP are the tangents to the circle from the exterior point P. The line from the centre to the exterior point bisects the angle formed from two tangents.
APO = BPO BPO = 35^{o} Hence, APB = APO + BPO = 35 + 35 = 70^{o}

Question 86 :

The number of students enrolled in different streams in a college is shown in the following table. Science Arts Commerce Vocational Girls Boys Girls Boys Girls Boys Girls Boys 35 18 25 47 45 40 10 30 The ratio of the total number of boys to that of girls in the college is:

Difficulty : Moderate | **Average Time : 76 Seconds**

Options :

1. 27 : 23
2. 13 : 12
3. 1 : 1
4. 23 : 27

Solution :

The correct answer is **Option 1** i.e. **27: 23.**

Understanding/Application

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Total number of boys in the college = (18 + 47 + 40 + 30) = 135 Total number of girls in the college = (35 + 25 + 45 + 10) = 115
Thus, the required ratio will be - = 135: 115 = 27 : 23

Question 87 :

Solve the following 113 × 87 = ?

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

Options :

1. 9831
2. 10169
3. 10000
4. 10026

Solution :

The correct answer is **Option 1** i.e. **9831.**

Understanding/Application
113 × 87 $(a + b)(a - b) = a^2 - b^2$
(100 + 13) (100 - 13) $= 100^2 - 13^2$ = 10000 - 169 = 9831

Question 88 :

In a school, 4% of the students did not appear for the annual exams. 10% of the students who appeared for the exams

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could not pass the exam. Out of the remaining students, 50% got distinction marks and 432 students passed the exam but could not get distinction marks. The total number of students in the school is:

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

Options :

1. 878
2. 1000
3. 1200
4. 960

Solution :

The correct answer is **Option 2** i.e. **1000.**

Understanding/Application
Let the total students be 100x. Students who appeared in exam = 100x - 4x = 96x Students who get passed in the exam = 90% of 96x = 96x × 90/100 = 86.4x Students who passed with distinction = 50% of 86.4x Students who passed without distinction = 432 50% of 86.4x = 432 86.4x × 50/100 = 432 86.4x = 864 x = 10
Thus, the total students = 100x = 100(10) = 1000

Question 89 :

A shopkeeper marked a computer table for Rs.7,200. He allows a discount of 10% on it and yet makes profit of 8%. What will be his gain percentage if he does NOT allow any discount?

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Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 18%
2. 2%
3. 9%
4. 20%

Solution :

The correct answer is **Option 4** i.e. **20%.**

Understanding/Application
M.P. of the computer table = Rs. 7200 Discount = 10% S.P. = (7200 × 90)/100 = Rs. 6480 Profit = 8% C.P. = (6480 × 100)/108 = Rs. 6000
Gain percent if he does not allow any discount = [(7200 - 6000) × 100]/6000 = 20%

Question 90 :

Solve the following. 4/3 ÷ 1/6 × 2 - 1 = ?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. 15
2. 3
3. 8
4. -2

Solution :

The correct answer is **Option 1** i.e. **15.**

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Understanding/Application
4/3 ÷ 1/6 × 2 - 1 = (4/3 × 6/1) × 2 - 1
= 8 × 2 - 1 = 16 - 1 = 15

Question 91 :

In a wallet, there are notes of the denominations Rs.10 and Rs.50. The total number of notes is 12. The number of Rs.10 and Rs.50 notes are in the ratio of 1 : 2. Total money in the wallet is:

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

Options :

1. Rs.360
2. Rs.280
3. Rs.110
4. Rs.440

Solution :

The correct answer is **Option 4** i.e **Rs.440.**

Understanding/Application
Let the common ratio of notes be x. x + 2x = 12 3x = 12 x = 4

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Total Rs.10 notes = x = 4

Total Rs. 50 notes = 2x = 8

Total money = (8 × 50) + (4 × 10) = 400 + 40 = Rs. 440

Question 92 :

In the given figure, if AB = 10 cm, CD = 7 cm, SD = 4 cm and AS = 5 cm, then BC = ?

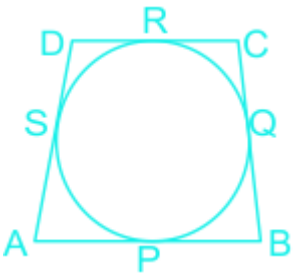
Difficulty : Moderate **Average Time : 50 Seconds**

Options :

1. 9 cm
2. 7.5 cm
3. 6 cm
4. 8 cm

Solution :

The correct answer is **Option 4** i.e. **8 cm.**



Understanding/Application

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AB = 10 cm, CD = 7 cm, SD = 4 cm and AS = 5 cm

AP and AS are the tangents to the circle from point A.

AP = AS = 5 cm

DR and SD are the tangents to the circle from point D.

DR = SD = 4 cm

Now,

AB = 10

AP + BP = 10

5 + BP = 10

BP = 5 cm

CD = 7

DR + CR = 7

4 + CR = 7

CR = 3

BP and BQ are the tangents to the circle from point B.

BP = BQ = 5 cm

CQ and CR are the tangents to the circle from point C.

CQ = CR = 3 cm

Hence,

BC = BQ + CQ = 5 + 3 = 8 cm

Question 93 :

During a medical check-up, the heights of 40 students in a class were recorded as shown in the following table. Height (in

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cm) less than 175 less than 170 less than 165 less than 160 less than 155 less than 150 Number of students 40 35 25 16 8 4 How many students have a height of 165 cm or more?

Difficulty : Moderate **Average Time : 116 Seconds**

Options :

1. 15
2. 10
3. 16
4. 25

Solution :

The correct answer is **Option 1** i.e **15.**

Understanding/Application
Total students = 40 Students with height less than 165 = 25
Students with height 165 or more = 40- 25 = 15

Question 94 :

The value of (sin30osin60o)/(cos60ocos30o) - tan45o is:

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

Options :

1. 2
2. 0
3. (2-(2))/2
4. 5

Solution :

The correct answer is **Option 2** i.e **0.**

Understanding/Application

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$(\sin30^{o}\sin60^{o})/(\cos60^{o}\cos30^{o}) - \tan45^{o}$ $\sin30^{o} = \cos60^{o} = 1/2$ $\sin60^{o} = \cos30^{o} = 3/2$ $\tan45^{o} = 1$
(3/4)/(3/4) - 1 1 - 1 = 0

Question 95 :

24 students collected money for donation. The average contribution was Rs.50. Later on, their teacher also contributed some money. Now the a average contribution is Rs.56. The teacher's contribution is:

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

Options :

1. Rs.200
2. Rs.106
3. Rs.56
4. Rs.194

Solution :

The correct answer is **Option 1** i.e **Rs.200.**

Understanding/Application
Total money contribution of all students = (50 × 24) = Rs.1200 Total money contribution of teacher and all students = (56 × 25) = Rs.1400
Total contribution of teacher = 1400 - 1200 = Rs.200

Question 96 :

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In the given figure, if AB = 8 cm, AC = 10 cm, ABD = 90o and AD = 17 cm, then the measure of CD is:

Difficulty : Moderate

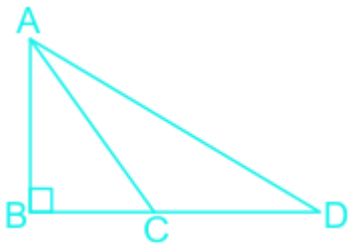
Average Time : 49 Seconds

Options :

1. 10 cm
2. 9 cm
3. 11 cm
4. 8 cm

Solution :

The correct answer is **Option 2** i.e. **9 cm.**



Understanding/Application
ABC and ABD are right-angled triangles. In triangle ABD: $AD^2 = AB^2 + BD^2$ $17^2 = 8^2 + BD^2$ $BD^2 = 289 - 64$ BD = 15 cm

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In triangle ABC:

$AC^2 = AB^2 + BC^2$

$10^2 = 8^2 + BC^2$

$BC^2 = 100 - 64$

BC = 6 cm

Hence,

CD = BD - BC = 15 - 6 = 9 cm

Question 97 :

In a trIangle, if the measures of two sides are 5 cm and 8 cm, then third side can be:

Difficulty : Moderate **Average Time : 100 Seconds**

Options :

1. 2 cm
2. 14 cm
3. 3 cm
4. 4 cm

Solution :

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

Understanding/Application
For the third side of the triangle - 8 - 5 third side 8 + 5 3 third side 13 Thus, the third side should be greater than 3 and less than 13.
Thus, by options, 4 cm is the length of the third side.

Question 98 :

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A manufacturer sells cooking gas stoves to shopkeeper at 10% profit, and in turn they sell the cooking gas stoves to customer to earn 15% profit. If a customer gets a cooking gas stove for Rs.7,590, then what is its manufacturing cost?

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

Options :

1. Rs.5,000
2. Rs.5,090
3. Rs.6,000
4. Rs.6,500

Solution :

The correct answer is **Option 3** i.e. **Rs.6,000.**

Understanding/Application
S.P.for shopkeeper = Rs. 7590 Profit = 15% C.P. for shopkeeper = (7590 × 100)/115 = Rs. 6600
S.P. for manufacturer = Rs. 6600 Profit = 10% C.P. for manufacturer = (6600 × 100)/110 = Rs. 6000

Question 99 :

If (cos2 - 1)(1 + tan2) + 2tan2 = 1, 0o 90o then is:

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

Options :

1. 60^o
2. 45^o
3. 90^o

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30^o

Solution :

The correct answer is **Option 2** i.e. **45^o.**

Understanding/Application
$(\cos^2 - 1)(1 + \tan^2) + 2\tan^2 = 1$ $(- \sin^2) (\sec^2) + 2\tan^2 = 1$ $(- \sin^2/\cos^2) + 2\tan^2 = 1$
$- \tan^2 + 2\tan^2 = 1$ $\tan^2 = 1$ For 0^o 90^o $= 45^o$

Question 100 :

Solve the following. Sin0oSin30oSin45oSin60oSin90o = ?

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

Options :

1. 4
2. (6)/(8)
3. 1
4. 0

Solution :

The correct answer is **Option 4** i.e. **0.**

Understanding/Application
$Sin0^oSin30^oSin45^oSin60^oSin90^o$ $Sin0^o = 0$

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$Sin0^{o}Sin30^{o}Sin45^{o}Sin60^{o}Sin90^{o} = 0$

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2020-03-06 in the Afternoon exam is as follows:

1. 100 questions were moderate.
2. The safe score is 140 marks.
3. 25 questions were asked from Logical Reasoning, 25 questions were asked from English Language, 25 questions were asked from General Awareness and 25 questions were asked from Quantitative Aptitude
4. 19 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

Logical Reasoning

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

English Language

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Cloze Test - 6

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

General Awareness

1. History - 5
2. Polity - 2
3. Science - 2
4. Environment - 1
5. Geography - 3
6. GK Misc - 8
7. Current Affairs - 4

Quantitative Aptitude

1. Geometry - 4
2. Profit And Loss - 1
3. Data Sufficiency - 20

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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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About Neetu Mam

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.

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