









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 2022-04-21 in the Evening 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:

Find the value of the following expression: $-5 + 5 + 625 \div 5 \times 5$

Difficulty: Moderate

Average Time : 41 Seconds

Options:

- 1. 25
- 2. 625
- 3.605
- 4. 121

Solution:

The correct answer is option 2 i.e. 625

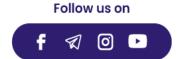
Explanation:

From the given question,

- $-5+5+625/25 \times 5$
- $-5 + 5 + 125 \times 5$
- -5 + 5 + 625
- -5 + 630 = 625

Hence the value of $-5 + 5 + 625 \div 5 \times 5$ is 625.

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Question 2:

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

Difficulty : Moderate Average Time : 41 Seconds

Options:

⁺ Rfg5aP

⁵ Rfg5aP

³ Rfg5aP

⁴ Rfg5aP



Solution:

The correct answer is **option** 4

The given figure is embedded in option 4, as shown below:

Rfg5aP

Question 3:

The following pie charts show the number of students studying in different departments of an institute during the acaedemic years 2019 and 2020. The total number of students was 2000 and 2400, respectively, in academic years 2019 and 2020. What is the ratio of Commerce and computer Science students taken together in 2019 to Engineering and

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Medical Students taken together in 2020?

Difficulty : Moderate Average Time : 73 Seconds

Options:

1. 65:44

2. 44:65

3. 39:22

4. 22:39

Solution:

The correct answer is option 1 i.e. 65:44

Commerce students in 2019 = 25% of 2000 = 500

Computer science students in 2019 = 14% of 2000 = 280

Total students = 780

Engineering students in 2020 = 12% of 2400 = 288

Medical students in 2020 = 10% of 2400 = 240

Total students = 288 + 240 = 528

Ratio = 780 : 528 = 65 : 44

Question 4:

Hot water can be a pollutant if it comes from: (a) A hot spring (b) A power plant (c) An industry

Difficulty: Moderate Average Time: 41 Seconds

Options:

1. Only (a)

2. Only (c)

3. Only (b)

4. Both (b) and (c)

Solution:

The correct answer is option 4 i.e. Both (b) and (c).

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Hot water released by power plants and industries is considered a pollutant

• Because it raises the temperature of the water body and causes harm to the plants and living organisms.

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The Drafting Committee of the Constituent Assembly was consisted of _____ members.

Difficulty: Moderate Average Time: 43 Seconds

Options:

- 1. 9
- 2. 7
- 3. 14
- 4. 8

Solution:

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

- The Drafting Committee had seven members: Alladi Krishnaswami Ayyar, N. Gopalaswami; B.R. Ambedkar, K.M Munshi, Mohammad Saadulla, B.L. Mitter and D.P. Khaitan.
- The Drafting Committee and its members were very influential in Indian constitution-making during the Committee stages and the deliberations of the Constituent Assembly.
- Majority of the debates in Constituent Assembly revolved around the Draft Constitution(s) prepared by the Drafting Committee.

Question 6:

Select the most appropriate ANTONYM of the given word. Astound

Difficulty: Moderate Average Time: 49 Seconds

Options:

- 1. Confuse
- 2. Stun
- 3. Shock
- 4. Clarify

Solution:

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

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The meaning of the given words is:

- Astound: shock or great surprise.
- Confuse: make someone bewildered or perplexed.
- Stun: knock unconscious or into a dazed or semi-conscious state.
- Shock: a sudden upsetting or surprising event or experience.
- Clarify: make a statement or situation less confused and more comprehensible.

The most appropriate antonym for **Astound** is **Clarify**.

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In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate
option to fill in each blank. Birbal immediately smiled and went up to Akbar. He announced the (1); he said there
were twenty-one thousand, five hundred and twenty-three crows (2) the city. When asked how he (3) the
answer, Birbal replied, "Ask your men to (4) the number of crows. If there are more, then the relatives of the crows
must be visiting them from (5) cities. If there are fewer, then the crows from our city must be visiting their relatives
who live outside the city."

Question 7:

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

Difficulty: Moderate Average Time: 83 Seconds

Options:

- 1. known
- 2. know
- 3. knowing
- 4. knew

Solution:

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

- The given blank requires a verb for the given noun in the sentence.
- Since the given sentence is in the past form, the verb thus used should also be in the past tense.
- The only verb among the given option in the past tense is 'knew.

The correct sentence is:

...When asked how he knew the answer, Birbal replied...

Comprehension:

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In the following passage, some words have been deleted. Read the option to fill in each blank. Birbal immediately smiled and went up to were twenty-one thousand, five hundred and twenty-three crows (2) answer, Birbal replied, "Ask your men to (4) the number of must be visiting them from (5) cities. If there are fewer, the who live outside the city."	to Akbar. He announced the (1); he said there 2) the city. When asked how he (3) the crows. If there are more, then the relatives of the crows
Question 8 :	
Select the most appropriate option to fill in blank number 4.	
Difficulty : Moderate	Average Time : 79 Seconds
Options :	
1. count	
2. judge	
3. consider	
4. calculate	
Solution :	
The correct answer is option 1 i.e. count.	
The meaning of the given words is:	
 Count: determine the total number of a collection of items. Judge: a public officer appointed to decide cases in a law co Consider: look attentively at. Calculate: intend (an action) to have a particular effect. â€⟨â€⟨â€⟨â€⟨â€⟨â€⟨ 	ourt.
The correct sentence is:	
Birbal replied, "Ask your men to count the number of crows.	

Options:

Question 9:

1. Delicious

Difficulty: Moderate

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Average Time: 55 Seconds



Select the most appropriate synonym of the given word. Sagacious

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Judicious

- 3. Precious
- 4. Malicious

Solution:

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

The meaning of the given words is:

- Sagacious: wise or shrewd
- Delicious: highly pleasant to the taste.
- Judicious: having, showing, or done with good judgment or sense.
- Precious: of great value;
- Malicious: characterized by malice

The most appropriate synonym for Sagacious is Judicious.

Question 10:

Select the option that expresses the given sentence in indirect speech. Manoj said to Mira, "Do not try to make a fool of me."

Difficulty: Moderate Average Time: 57 Seconds

Options:

- 1. Manoj told Mira not to try to make a fool of him.
- 2. Manoj told Mira to not try to make a fool of me.
- 3. Manoj told Mira do not try to make a fool of him.
- 4. Manoj told Mira to not to try to make a fool of me.

Solution:

The correct answer is option 1 i.e. Manoj told Mira not to try to make a fool of him.

- The given sentence is imperative in nature.
- The conjunction 'to' should be used in place of commas and inverted commas.
- 'Don't' will be converted into 'not to'.
- 'Said to' will changed into 'told'.

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V1 should always be followed by to.

Since the first person pronoun is changed according to the subject of the reporting verb, 'me' will be changed into 'him.'

The correct form of indirect sentence is:

Manoj told Mira not to try to make a fool of him.

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate
option to fill in each blank. Birbal immediately smiled and went up to Akbar. He announced the (1); he said there
were twenty-one thousand, five hundred and twenty-three crows (2) the city. When asked how he (3) the
answer, Birbal replied, "Ask your men to (4) the number of crows. If there are more, then the relatives of the crows
must be visiting them from (5) cities. If there are fewer, then the crows from our city must be visiting their relatives
who live outside the city."

Question 11:

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

Difficulty : Moderate Average Time : 106 Seconds

Options:

- 1. question
- 2. rejoinder
- 3. response
- 4. answer

Solution:

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

The meaning of the given words is:

- Question: inquiry
- Rejoinder: a reply, especially a sharp or witty one.
- Response: a reaction to something.
- Answer: a solution to a problem or dilemma.
 - o In reply to a question, Birbal will obviously give an answer.
 - o Thus the most appropriate filler is 'answer.'

The correct sentence is:

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Birbal immediately smiled and went up to Akbar. He announced the answer...

Comprehension: In the following passage, some words have been deleted. Read the passage care option to fill in each blank. Birbal immediately smiled and went up to Akbar. He are were twenty-one thousand, five hundred and twenty-three crows (2) the canswer, Birbal replied, "Ask your men to (4) the number of crows. If there must be visiting them from (5) cities. If there are fewer, then the crows frow who live outside the city."	nnounced the (1); he said there city. When asked how he (3) the are more, then the relatives of the crows
Question 12: Select the most appropriate option to fill in blank number 2.	
Difficulty : Moderate Average Time	: 87 Seconds
Options: 1. on 2. off 3. in 4. at	
Solution: The correct answer is option 3 i.e. in.	
 The preposition 'on' is when we refer to a position on a surface of something. The preposition 'off' is used to denote something that is down or away from present place, position, or time. The preposition 'in' is used to refer to a place. The preposition 'at' can be used in multiple contexts, such as telling time of the given blank requires a preposition of place to fill in the given blank. Thus, 'in' would be the most appropriate filler for the given blank. 	n a place, position, or time, especially the
The correct sentence is:	
five hundred and twenty-three crows in the city.	
Comprehension :	

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In the following passage, some words have been deleted. Read the option to fill in each blank. Birbal immediately smiled and went up			
were twenty-one thousand, five hundred and twenty-three crows (2	2) the city. When asked how he (3) the		
answer, Birbal replied, "Ask your men to (4) the number of	·		
nust be visiting them from (5) cities. If there are fewer, then the crows from our city must be visiting their relatives who live outside the city."			
Question 13:			
Select the most appropriate option to fill in blank number 5.			
Difficulty : Moderate	Average Time: 97 Seconds		

Options:

- 1. nearby
- 2. close
- 3. near
- 4. vicinity

Solution:

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

The meaning of the given words is:

- Nearby: not far away.
- Close: very near
- Near: nearby
- Vicinity: the area near or surrounding a particular place.
 - The blank requires an adjective for cities. "Nearby" is used **before a noun as an adjective or after a noun as an adverb to say that something is close.**
 - o Here in the given sentence, it will be used as an adjective

The correct sentence is:

...If there are more, then the relatives of the crows must be visiting them from **nearby** cities. If there are fewer, then the crows from our city must be visiting their relatives who live outside the city."

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Question 14:

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

Difficulty: Moderate Average Time: 76 Seconds

Options:

'Rfg5aP

⁵ Rfg5aP

³ Rfg5aP

[₹] Rfg5aP

Solution:

The correct answer is **option 4**

The logic used here is:

The figures inside the square are rotating in a clockwise direction.

The series of figures:

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Question 15:

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: All wires are chargers. Some chargers are phones. All chargers are equipment. Conclusions: I. Some equipment are phones. II. All wires are phones.

Difficulty: Moderate Average Time: 78 Seconds

Options:

- 1. Only conclusion II follows
- 2. Both the conclusions follow
- 3. Only conclusion I follows
- 4. Neither conclusion I nor II follows

Solution:

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

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

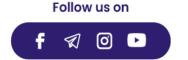


Conclusions:

- I. Some equipment are phones **True** (As all chargers are equipment, and some chargers are phones, so some equipment is phones is true.)
- II. All wires are phones False (It is possible but no definite conclusion can be drawn.)

Hence, Only conclusion I follows.

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Average Time: 68 Seconds



Question 16:

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

P__N__SR_QP_R___S_NQ

Difficulty : Moderate

Options:

- 1. S, R, Q, P, N, S, N, Q, P, R
- 2. S, R, Q, R, N, Q, N, S, P, R
- 3. R, S, Q, P, R, S, R, Q, P, N
- 4. Q, R, S, P, N, S, N, Q, P, R

Solution:

The correct answer is option 1 i.e. S, R, Q, P, N, S, N, Q, P, R.

The sequence is - S, R, Q, P, N, S, N, Q, P, R

Given sequence: P__N__SR_QP_R___S_NQ

Option 1: S, R, Q, P, N, S, N, Q, P, R

PSRNQ/PSRNQ/PSRNQ/PSRNQ

Option 1 forms a particular pattern.

Hence, option 1 is the correct answer.

Question 17:

In a group of 110 students, 23 students did not participate in any of the two games: Badminton and Chess. 45 students participated in Badminton and 61 students participated in Chess. How many students participated in Badminton only?

Difficulty: Moderate Average Time: 75 Seconds

Options:

- 1. 26
- 2. 42
- 3. 18
- 4. 28

Solution:

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The correct answer isoption 1 i.e. 26.

Total number of students = 110

Number of students who did not participate in any of the two games = 23

Number of students who took part in Badminton = 45

Number of students who took part in Chess = 61

Number of students who participated = 110 - 23 = 87

Number of students who participated in both games = Number of students who took part in Badminton + number of students who took part in Chess - Number of students who participated = 45 + 61 - 87 = 106 - 87 = 19

Number of students who participated in badminton only = Number of students who took part in badminton - number of students who participated in both games = 45 - 19 = 26

Question 18:

Select the letter cluster from among the given options that can replace the question mark (?) in the following series. ORGANS, SORGAN, SNORGA, ?, SNAGOR, SNAGRO

Difficulty: Moderate Average Time: 63 Seconds

Options:

- 1. SNOARG
- 2. SNAOGR
- 3. SNAROG
- 4. SNAORG

Solution:

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

Given series: ORGANS, SORGAN, SNORGA, ?, SNAGOR, SNAGRO

The series follows this pattern:

The last letter is shifted to the first position, then in the next cluster the last letter is shifted to the second position, and so on.

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So, the next term in the series is **SNAORG.**

Question 19:

The sequence of folding a piece of paper (figures i and ii) and the manner in which the folded paper has been cut (figure iii) are shown in the following figures. Select the option that would most closely resemble the unfolded form of a figure (iii).

Difficulty: Moderate

Average Time : 61 Seconds

Options:

⁺ Rfg5aP

^z Rfg5aP

" Rfg5aP

* Rfg5aP

Solution:

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

After unfolding, the paper will appear as follows:



Question 20:

In a certain code, 692425 means 'School education is free in India' and 7926 means 'College education is costly'. Which of the following is the code for 'I want to become graduate'?

Difficulty : Moderate Average Time : 67 Seconds

Options:

1. 54268

2. 15426

3. 14268

4. 23586

Solution:

The correct answer is option 3 i.e. 14268.

The logic used here is:

692425 means 'School education is free in India' and 7926 means 'College education is costly'

The number of letters in the word is the code.

Hence, the code for the 'I want to become graduate' is 14268.

Question 21:

Monthly expenditure of a family on different heads is shown in the following pie chart. The family earns Rs 108000 every month. What is the amount spent on Rent every month (in Rs)?

Difficulty: Moderate Average Time: 48 Seconds

Options:

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15,000

2. 17,500

3. 21,000

4. 18,000

Solution:

The correct answer is option 4 i.e. 18,000

Amount spent on Rent = $60/360 \times 108000 = 18000$

Question 22:

In a circle with centre O, PQ and QR are two chords such that PQR = 118°. What is the measure of OPR?

Difficulty : Moderate Average Time : 35 Seconds

Options:

1. 28°

2. 36°

3. 31°

4. 26°

Solution:

The correct answer is option 1 i.e. 28°

Let P and R meet at point S on the major segment of the circle

Now, PQRS is a cyclic quadrilateral

So, $PSR + PQR = 180^{\circ}$

 $PSR + 118 = 180^{\circ}$

 $PSR = 62^{\circ}$

Now, POR = 124°

OP = OR = radius of the circle

So, OPR = (180 - 124)/2

OPR = 28°

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Question 23:

A 240 m long train crosses a 360 m long tunnel in 30 seconds. What is the speed of the train (in km/h)?

Difficulty : Moderate Average Time : 57 Seconds

Options:

- 1. 43.2
- 2. 28.8
- 3. 72
- 4. 60

Solution:

The correct answer is option 3 i.e. 72

Given:

Length of train = 240 m

Length of tunnel = 360

Time = 30 seconds

Concept Used:

Time = Distance/Speed ...(i)

Explanation:

Let the speed of the train be s km/hr

Now,

(240 + 360)/s = 30

600/s = 30

s = 20

So, the speed of the train is 20 m/sec

Speed in km/hr = $20 \times (18/5) = 72 \text{ km/hr}$.

Hence the speed of the train is 72 km/hr.

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Question 24:

A borrows a sum of Rs 90,000 for 4 years at 5% simple interest. He lends it to B at 7% for 4 years at simple interest. What is his gain (in Rs)?

Difficulty : Moderate Average Time : 62 Seconds

Options:

- 1. 9,000
- 2. 7,500
- 3. 7,200
- 4. 8,000

Solution:

The correct answer is option 3 i.e. 7,200

P = 90,000

S.I. for A = $(90,000 \times 4 \times 5)/100 = 18,000$ Rs.

S.I for B = $(90,000 \times 7 \times 4)/100 = 25200$ Rs.

Profit= 25200 - 18000 = 7200 Rs.

Question 25:

Ankita's weight is 20% less than that of her grandmother. The grandmother weighs 26kg less than grandmother's husband, whose weight is 81 kg. If Ankita's brother is 8 kg heavier than Ankita, then what is the weight (in kg) of Anikita's brother?

Difficulty: Moderate Average Time: 47 Seconds

Options:

1. 19

2. 52

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60

4. 36

Solution:

The correct answer is option 2 i.e. 52

Weight of the grandmother = 81 - 26 = 55 kg.

So, the weight of Ankita = 80% of 50 = 44 kg.

Weight of the brother = 44 + 8 = 52 kg.

Question 26:

If $\sec 2 + \cos 2 = 5/2$ and 0° 90°, then find the value of.

Difficulty : Moderate Average Time : 39 Seconds

Options:

1. 30°

2. 60°

3. 0°

4. 45°

Solution:

The correct answer is option 4 i.e. 45°.

$$\sec^2 + \cos^2 = 5/2$$

By putting the values,

By putting, $= 45^{\circ}$

$$\sec^2 45^\circ + \cos^2 45^\circ = 2 + 1/2 = 5/2$$

Question 27:

AB is a chord of a circle with centre O. C is a point on the circle in the minor sector. If ABO = 50°, then what is the deree measure of ACB?

Difficulty: Moderate Average Time: 47 Seconds

Options:

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100°

- 2. 140°
- 3. 130°
- 4. 110°

Solution:

The correct answer is option 2 i.e. 140°

OA = OB = radius of the circle

 $ABO = BAO = 50^{\circ}$

So, $AOB = 180 - (50 + 50) = 80^{\circ}$

Let A and B meet at point D in the major sector

Now, ADB = $80^{\circ}/2 = 40^{\circ}$

ABCD is a cyclic quadrilateral

So, $ACB = 180^{\circ} - 40^{\circ} = 140^{\circ}$

Question 28:

Which of the option figures when rotated 135° clockwise and then 45° anticlockwise will result in the given question figure?

Difficulty : Moderate Average Time : 55 Seconds

Options:

¹ Rfg5aP

3.

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* Rfg5aF

Solution:

The correct answer is **option** 3

We need to find the figure which when rotated by (135 - 45)= 90 degrees in the clockwise direction will result in the given question figure.



Question 29:

Study the given matrix carefully and select the number from among the given options that can replace the question mark (?) in it. 13 6 75 15 8 ? 18 4 70

Difficulty : Moderate Average Time : 67 Seconds

Options:

1. 76

2. 116

3.84

4. 96

Solution:

The correct answer is option 2 i.e. 116.

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The logic used here is:

Row 1:

$$(13 \times 6) - (6 \div 2) = 78 - 3 = 75$$

Row 3:

$$(18 \times 4) - (4 \div 2) = 72 - 2 = 70$$

Row 2:

$$(15 \times 8) - (8 \div 2) = 120 - 4 = 116$$

Question 30:

Select the option that is related to the third term in the same way as the second term is associated with the first term. CANOPY: DCQSUE:: TONSIL:?

 ${\bf Difficulty: Moderate}$

Average Time: 45 Seconds

Options:

1. UQQXOR

2. UQQWNR

3. UQRVNR

4. URQWNS

Solution:

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

The logic used here is:

CANOPY: DCQSUE

C + 1 = D

A + 2 = C

N + 3 = Q

O + 4 = S

P + 5 = U

Y + 6 = E

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Similarly,

TONSIL:?

T + 1 = U

0 + 2 = Q

N + 3 = Q

S + 4 = W

1 + 5 = N

L + 6 = R

Hence, option 2 is the correct answer.

Question 31:

Select the option that is related to the third number in the same way as the second number is related to the first number.

18:10::24:?

Difficulty: Moderate

Average Time : 54 Seconds

Options:

1. 13

2. 17

3. 12

4. 29

Solution:

The correct answer is option 1 i.e. 13.

18:10::24:?

 $18 \div 2 = 9$

9 + 1 = 10

Similarly,

 $24 \div 2 = 12$

12 + 1 = 13

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Hence, the correct answer is 13.

Question 32:

Eight friends, P, Q, R, S, T, U, V, and W, are sitting in the same order anticlockwise around a circular table at equal distances, with all facing the centre of the table. If Q is sitting in the southeast, then in which direction is W sitting?

Difficulty: Moderate Average Time: 46 Seconds

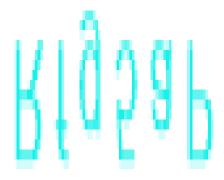
Options:

- 1. North-east
- 2. North
- 3. South-west
- 4. South

Solution:

The correct answer is option 3 i.e. South-west.

According to the question, the arrangement is as follows:



From the above arrangement, W is sitting in the southwest direction.

Hence, option 3 is the correct answer.

Question 33:

In a certain code language, BACHELOR is written as YZXSVOLI. How will EDUCATION be written as in that language?

Difficulty : Moderate Average Time : 47 Seconds

Options:

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FEVDBUJPM

2. MLRGZXFWV

3. GFWECVKRM

4. VWFXZGRLM

Solution:

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

The logic used here is:

BACHELOR is written as YZXSVOLI

Opposite of B = Y

Opposite of A = Z

Opposite of C = X

Opposite of H = S

Opposite of E = V

Opposite of L = O

Opposite of O = L

Opposite of R = I

Similarly;

Code for the word EDUCATION:

Opposite of E = V

Opposite of D = W

Opposite of U = F

Opposite of C = X

Opposite of A = Z

Opposite of T = G

Opposite of I = R

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Opposite of O = L

Opposite of N = M

Hence, option 4 is the correct answer.

Question 34:

A cube is made by folding the given sheet. In the cube so formed, which of the following pairs of numbers will be on opposite faces?

Difficulty: Moderate Average Time: 72 Seconds

Options:

- 1. 4 and 6
- 2. 1 and 5
- 3. 3 and 5
- 4. 2 and 4

Solution:

The correct answer is option 3 i.e. 3 and 5.

When the sheet is folded to form a cube, the opposite pairs are;

1 is opposite to 4.

2 is opposite to 6.

5 is opposite to 3.

So, the opposite pairs are 3 and 5.

Question 35:

Select the number from among the given options that can replace the question mark (?) in the following series. 45, 47, 52, 62, 79,?

Difficulty: Moderate Average Time: 42 Seconds

Options:

- 1. 105
- 2. 85
- 3. 112

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Solution:

The correct answer is option 1 i.e. 105.

Given series: 45, 47, 52, 62, 79,?

The series follows this pattern:



So, the next term in the series is 105.

Question 36:

Which two numbers should be interchanged to make the given equation correct? $52 + 69 - 46 \div 23 \times 26 = 20$

Difficulty : Moderate Average Time : 42 Seconds

Options:

1. 46 and 23

2. 69 and 46

3. 52 and 26

4. 52 and 69

Solution:

The correct answer is option 2 i.e. 69 and 46.

Given equation: $52 + 69 - 46 \div 23 \times 26 = 20$

Option 1: 46 and 23

After interchanging the expression becomes:

 $= 52 + 69 - 23 \div 46 \times 26 = 20$

= 108 is not equal to 20.

Option 2: 69 and 46

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After interchanging the expression becomes:

$$= 52 + 46 - 69 \div 23 \times 26 = 20$$

= 20 is not equal to 20.

As we have found our answer, so, there is no need of checking other options.

Hence, option 2 is the correct answer.

Question 37:

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

Difficulty: Moderate

Average Time: 58 Seconds

Options:

- 1. HJM
- 2. GIM
- 3. LNR
- 4. MOS

Solution:

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

The logic used here is:

1st letter + 2 = 2nd letter

2nd letter + 4 = 3rd letter

Option 1: HJM

H + 2 = J

J + 4 = N

This does not follow the logic.

Hence, option 1 is the odd one out.

Question 38:

Pointing towards the photograph of a lady, Varun said, "She is my father-in-law's son's only sister's mother-in-law". How is Varun related to that lady?

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Difficulty: Moderate

Average Time: 51 Seconds

Options:

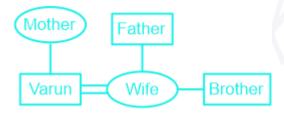
- 1. Son-in-law
- 2. Brother
- 3. Son
- 4. Husband

Solution:

The correct answer is option 3 i.e. Son.

In the diagram shown;

Square shows males, the circle shows females, vertical lines show generations, a single horizontal line shows brothers or sisters, and double lines show a couple.



From the above figure, Varun is the son of the lady.

Hence, option 3 is the correct answer.

Question 39:

Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation. 54 * 36 * 12 * 18 * 24 * 24

Difficulty : Moderate

Average Time: 54 Seconds

Options:

1. \div , \times , , +, =

2. \div , +, \times , =

3. \div , \times , +, , =

4. +, \times , , \div , =

Solution:

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The correct answer is **option 1** i.e. \div , \times , , +, =.

Given equation: 54 * 36 * 12 * 18 * 24 * 24

Option 1: \div , \times , , +, =

After interchanging the expression becomes:

 $= 54 \div 36 \times 12 - 18 + 24 = 24$

= 24 is not equal to 24.

As we have found our answer, so, there is no need of checking other options.

Hence, option 1 is the correct answer.

Question 40:

In a certain code language, 'RAHUL' is coded as 180, and 'POOJA' is coded as 171. How will 'RAJIV' be coded in the same language?

Difficulty: Moderate

Average Time: 53 Seconds

Options:

1. 122

2. 180

3.85

4. 61

Solution:

The correct answer is option 2 i.e. 180.

The logic used here is:

'RAHUL' is coded as 180

RAHUL = $18 + 1 + 8 + 21 + 12 = 60 \times 3 = 180$

'POOJA' is coded as 171

 $POOJA = 16 + 15 + 15 + 10 + 1 = 57 \times 3 = 171$

Similarly;

Code for the word RAJIV:

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RAJIV = $18 + 1 + 10 + 9 + 22 = 60 \times 3 = 180$

Hence, option 2 is the correct answer.

Question 41:

In the following Venn diagram, the oval stands for 'charted accountants', and the pentagon stands for 'males'. the triangle stands for 'full time employees', and the square stands for 'tax-payers'. The given numbers represent the number of people in that particular category. How many males chartered accountants are NEITHER tax-payers NOR full-time employees?

Difficulty : Moderate Average Time : 55 Seconds

Options:

- 1. 17
- 2. 14
- 3. 22
- 4. 8

Solution:

The correct answer is option 3 i.e. 22.

The number of male chartered accountants who are neither tax-payers nor full-time employees = Number that is common to oval, pentagon = 22

Question 42:

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. 1. Photographic 2. Photocopier 3. Photography 4. Photographer 5. Photocopy

Difficulty: Moderate Average Time: 40 Seconds

Options:

- 1. 1, 2, 3, 4, 5
- 2. 3, 5, 1, 4, 2
- 3. 2, 5, 4, 1, 3
- 4. 4, 1, 5, 3, 2

Solution:

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

In this question, you need to arrange the words as they would appear in the English dictionary.

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- 1. Photocopier
- 2. Photocopy
- 3. Photographer
- 4. Photographic
- 5. Photography

Question 43:

Select the number from among the given options that can replace the question mark (?) in the following series. 50, 67, 86, 107,?

Difficulty: Moderate

Average Time: 42 Seconds

Options:

- 1. 130
- 2. 136
- 3. 118
- 4. 124

Solution:

The correct answer is option 1 i.e. 130.

Given series: 50, 67, 86, 107,?

The series follows this pattern:

50 + 17 = 67

67 + 19 = 86

86 + 21 = 107

107 + 23 = 130

So, the next term in the series is 130.

Question 44:

Select the correct water image of the given combination.

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Difficulty	:	Mod	erate
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Average Time: 37 Seconds

Options:

1 Rfg5aP

Rfg5aP

3 Rfg5aP

4 Rfg5aP

Solution:

The correct answer is **option 1** $6 \cdot 10^{\circ}$ $1 \cdot 10^{\circ}$

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.

Hence, option 1 is the correct answer.

Question 45:

How many Schedules did the Constitution of India contain as of April 2021?

Difficulty: Moderate Average Time: 68 Seconds

Options:

1. 14

2. 12

3. 16

4. 10

Solution:

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

- The Constitution of India has 395 articles contained in 22 parts. It also has 12 schedules.
- Constitution Day is observed on 26th November every year as it is the day when the Constitution was made.
- It is a Sovereign Socialist Secular Democratic Republic with a parliamentary system of government.

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Question 46:

How many eyes does a bee have?

Difficulty: Moderate

Average Time: 43 Seconds

Options:

- 1. Five
- 2. Three
- 3. Four
- 4. Two

Solution:

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

- · Bees have 5 eyes.
- Bees need eyes not only to pick up colors and UV markings in flowers, as well as shapes, but also to navigate.
 Thus the two sets of eyes are adapted to perform different tasks simultaneously.
- As well as two large eyes either side of its head, a bee has three 'simple' or 'ocelli' eyes on the top of its head.
 These detect light (but not shapes), meaning that a bee can sense if it is being approached from above by a predator.

Question 47:

Which of the following statements about black soil is INCORRECT?

Difficulty: Moderate Average Time: 55 Seconds

Options:

- 1. It is found along the Deccan trap.
- 2. It is rich in phosphoric content.
- 3. It has a good capacity to hold moisture.
- 4. It develops deep cracks during hot weather.

Solution:

The correct answer is option 2 i.e. It is rich in phosphoric content.

- Black soils are mineral soils which have a black surface horizon, enriched with organic carbon that is at least 25 cm deep.
- The black colour of these soils has been attributed by some scientists to the presence of a small proportion of

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titaniferous magnetite or even to iron and black constituents of the parent rock.

 The black colour of this soil may even be derived from crystalline schists and basic gneisses such as in Tamil Nadu and parts of Andhra Pradesh.

Question 48:

Who among the following was the only martyr of the Quit India phase of the freedom movement who was hanged?

Difficulty: Moderate Average Time: 63 Seconds

Options:

- 1. Kushal Konwar
- 2. Kanaiyalal Maneklal Munshi
- 3. Potti Sreeramulu
- 4. Senapati Bapat

Solution:

The correct answer is option 1 i.e. Kushal Konwar.

- Kushal Konwar was a freedom fighter and was an active participant during the Quit India Movement to end British rule in India. One of the followers of Mahatma Gandhi, Kushal Konwar was hanged on June 15, 1943.
- Kushal Konwar was hanged by the British during the Quit India Movement when he was convicted as one of the leaders behind the military train derailment that killed British and American soldiers on October 10, 1942.

Question 49:

The GDP deflator is also called:

Difficulty: Moderate Average Time: 51 Seconds

Options:

- 1. implicit price deflator
- 2. explicit inflation index
- 3. implicit inflation index
- 4. explicit price deflator

Solution:

The correct answer is **option 1** i.e. **implicit price deflator.**

The GDP deflator, also called implicit price deflator, is a measure of inflation.

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GDP deflator gets its name from the process of calculating the value of price change as reflected in real and nominal GDP of the country.

• GDP deflator uses a Paasche price index.

Question 50:

Which of the given statements about the Union Budget is/are true? a) Vote on Account deals only with the expenditure side of the government budget. b) Vote on Account and Interim Budget are not the same. c) An Interim Budget gives a complete financial statement, similar to a full budget.

Difficulty : Moderate Average Time : 58 Seconds

Options:

- 1. (a) and (b)
- 2. Only (a)
- 3. (a), (b) and (c)
- 4. Only (c)

Solution:

The correct answer is option 3 i.e. (a), (b) and (c).

- Through the interim budget, Parliament passes a vote-an-account which basically gives the government temporary permission to meet the expenses of the administration until the elections.
- The vote-on-account is normally valid for two months but can be extended.
- An interim budget is technically just like the full budget, but only for a temporary period.

Question 51:

The Constitution (112th Amendment) Bill 2009 provides for _____ reservation for women in Urban Local Bodies was introduced in Lok Sabha on 24th November 2009.

Difficulty: Moderate Average Time: 55 Seconds

Options:

- 1. 10%
- 2. 20%

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50%

4. 30%

Solution:

The correct answer is option 3 i.e. 50%.

- The Constitution (112th Amendment) Bill 2009 to provide for 50% reservation of women in Urban Local Bodies was introduced in Lok Sabha on 24.11. 2009.
- Through this Bill the Government of India seeks to increase the representation of women in Urban Local Bodies
 (ULBs) from the present level of one-third to 50 percent which would also include enhancement of reservation for
 women upto 50 percent in seats reserved for Scheduled Castes, Scheduled Tribes, and 50 percent reservations for
 women in the posts of Chairpersons.

Average Time: 54 Seconds

Question 52:

In which of the following States/Union Territories did a regional alliance by the abbreviated name TIPRA come into the limelight in March-April 2021?

Difficulty : Moderate

Options:

- 1. Tripura
- 2. Tamil Nadu
- 3. Ladakh
- 4. Telangana

Solution:

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

- The Tool for Influenza Pandemic Risk Assessment (TIPRA) is used to assess the pandemic risk of influenza viruses with pandemic potential.
- The launch of TIPRA 2nd edition was in April 2020. The scope and calculation process of an overall risk in TIPRA 2nd edition have diverged from TIPRA 1st edition.
- First, the 1st edition was designed for use on a novel influenza virus which has caused at least one human infection.
- The 2nd edition enables risk assessment of animal influenza viruses that have not caused human infection but are still of public health importance.

Question 53:

Union Budget 2021-22 allocated a total amount of towards health and wellbeing.

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Difficulty: Moderate

Average Time: 58 Seconds

Options:

- 1. â,¹1,54,938 crore
- 2. â,194,452 crore
- 3. â,12,23,846 crore.
- 4. â,13,32,194 crore

Solution:

The correct answer is option 3 i.e. â,12,23,846 crore.

- The health sector has been allocated Rs 86200.65 crore in the Union Budget, a hike of 16 percent over Rs 73,931 crore in 2021-22.
- Health and Wellbeing, Physical & Financial Capital, and Infrastructure, Inclusive Development for Aspirational India, Reinvigorating Human Capital, Innovation and R&D, Minimum Government and Maximum Governance were the 6 pillars of the Union Budget 21-22.

Question 54:

What was the theme of World Toilet Day 2020?

Difficulty: Moderate Average Time: 46 Seconds

Options:

- 1. Sustainable Sanitation and Climate Change
- 2. When Nature Calls
- 3. Better Sanitation for Better Nutrition
- 4. Toilets and Jobs

Solution:

The correct answer is option 1 i.e. Sustainable Sanitation and Climate Change.

- In 2020, activities to mark the day will focus on the theme, 'Sustainable sanitation and climate change'. World Toilet Day is celebrated on 19th November every year.
- World Toilet Day is raising awareness about the need for all human beings to have access to sanitation.
- World Toilet Day seeks to inspire action to tackle the global sanitation crisis and help achieve Sustainable Development Goal 6 (SDG 6), which promises sanitation for all by 2030.

Question 55:

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Povadas is a popular folk dance from the state of	
Difficulty : Moderate	Average Time : 56 Seconds
Options:	
1. Rajasthan	
2. Maharashtra	

Solution:

3. Kerala

4. Gujarat

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

- Povadas are the folk dance of Maharashtra. It is presented in the Marathi ballads form.
- This dance form describes the events in the life of the great Maratha ruler, Shri Chhatrapati Shivaji Maharaj. Shivaji was the founder of the Maratha Empire, and did a lifelong struggle against the Mughals.

Question 56:

What do you call the maximum sustainable size of a resident population in a given ecosystem?

Difficulty: Moderate Average Time: 47 Seconds

Options:

- 1. Case rate
- 2. Carrying capacity
- 3. Census
- 4. Crude rate

Solution:

The correct answer is option 2 i.e. Carrying capacity.

- Carrying capacity can be defined as a species' average population size in a particular habitat.
- The species population size is limited by environmental factors like adequate food, shelter, water, and mates.
- If these needs are not met, the population will decrease until the resource rebounds.

Question 57:

Realising the importance of maintaining the cleanliness of the water bodies, the Government of India passed the Water (Prevention and Control of Pollution) Act, ______, to safeguard our water resources.

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Difficulty: Moderate

Average Time : 50 Seconds

Options:

- 1. 1971
- 2. 1969
- 3. 1973
- 4. 1974

Solution:

The correct answer is option 4 i.e. 1974.

- The Water (Prevention & Control of Pollution) Act, 1974 is the first enactment by the Parliament in this direction.
- This is also the first specific and comprehensive legislation institutionalizing simultaneously the regulatory agencies for controlling water pollution.
- The Pollution Control Board at the Centre and in the State came into being in terms of this Act.

Question 58:

Along with India, which of the following countries was crowned Joint Winner at the 2020 Online FIDE Chess Olympiad?

Difficulty: Moderate Average Time: 47 Seconds

Options:

- 1. Croatia
- 2. Belgium
- 3. Ukraine
- 4. Russia

Solution:

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

- India and Russia were declared joint winners of the 2020 Online FIDE Chess Olympiad after the final was marred by internet disconnection last night.
- Russia were initially declared winners after two Indian players, Nihal Sarin and Divya Deshmukh, lost out on time in the final after suffering a disconnection with the server.

Question 59:

Who among the following is the author of the book 'Sea of Poppies'?

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Difficulty: Moderate

Average Time: 47 Seconds

Options:

- 1. Vikram Seth
- 2. Shashi Tharoor
- 3. Amitav Ghosh
- 4. Arvind Adiga

Solution:

The correct answer is option 3 i.e. Amitav Ghosh.

- A stunningly vibrant and intensely human work, Sea of Poppies, the first book in the Ibis trilogy confirms Amitav Ghosh's reputation as a master storyteller.
- The book is beautifully written historical novel about 1830's India in the grip of the opium trade.
- The story starts in 1838 on the eve of the first opium wars.
- Deeti is the central character of the story and she is the widow of an opium-addicted husband and avoids the immolation pyre (a tradition she should have undergone) to follow a vision of a journey on an ocean-going ship. The IBIS is that ship she boards to escape her fate and establish a new destiny in another land.

Question 60:

Which of the following books was written by Jawaharlal Nehru?

Difficulty: Moderate Average Time: 63 Seconds

Options:

- 1. Waiting For A Visa: Autobiographical Notes
- 2. A Bunch of Old Letters
- 3. Riddles in Hinduism
- 4. Ranade, Gandhi and Jinnah

Solution:

The correct answer is option 2 i.e. A Bunch of Old Letters.

- The letters in this volume, written by some of the leading figures of our times, cover the three eventful decades leading up to India's Independence in 1947.
- Evocative of the spirit of those stirring times, many of the letters are from those most closely involved in the freedom

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struggle—among them, Mahatma Gandhi, Motilal Nehru, Subhas Chandra Bose, Muhammad Ali Jinnah, Rabindranath Tagore, Sarojini Naidu, Maulana Azad, Vallabhbhai Patel and Jayaprakash Narayan.

Question 61:

Who among the following persons was associated with the Chittagong Armoury Raid?

Difficulty: Moderate Average Time: 57 Seconds

Options:

- 1. Manmath Nath Gupta
- 2. Sachindranath Bakshi
- 3. Ardhendu Dastidar
- 4. Vishnu Sharan Dublish

Solution:

The correct answer is option 3 i.e. Ardhendu Dastidar.

- Ardhendu Dastidar became an active member of the revolutionary party of Chitagong under the able, leadership
 of Master-da (Surya Sen).
- The Chittagong armory raid, also known as the Chittagong uprising, was an attempt on 18 April 1930 by armed Indian independence fighters led by Surya Sen to raid the Chittagong armory of police and auxiliary forces in British India's Bengal Presidency (now Bangladesh).

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The Black Sea is in the _____ Ocean.

Difficulty: Moderate Average Time: 52 Seconds

Options:

- 1. Pacific
- 2. Atlantic
- 3. Arctic
- 4. Indian

Solution:

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

• The name 'Black Sea' is widely attributed to the Anatolian Turks, due to their habit of referring to the South as 'white'

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and North as 'black'.

- In medieval times Khazarian traditions seem to have used the term 'Black Sea' as well as 'Great Sea', though the
 relationships between the two terms require clarification.
- Today the Black Sea is a springboard for Russia's operations in Africa and the Middle East, where Moscow remains
 interested in maintaining a foothold and exerting influence.

Question 63:

As per the Swiss organisation IQAir's 'World Air Quality Report, 2020', which of the following is the most polluted capital city in the world?

Difficulty: Moderate Average Time: 60 Seconds

Options:

- 1. Delhi
- 2. Paris
- 3. Tokyo
- 4. Beijing

Solution:

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

- The 2021 World Air Quality Report for the fourth consecutive year finds New Delhi as the most polluted capital city (and fourth most polluted city) in the World followed by Dhaka in Bangladesh, N'Djamena in Chad, Dushanbe in Tajikistan and Muscat in Oman.
- New Delhi saw a 14.6% increase in PM2.5 concentrations in 2021 with levels rising to 96.4 g/m3 from 84 g/m3 in 2020.

Question 64:

Which of the following is the largest dome of India as of April 2021?

Difficulty: Moderate Average Time: 49 Seconds

Options:

- 1. Adhai Din Ka Jhonpra
- 2. Gol Gumbaz
- 3. Data Darbar
- 4. Alai Darwaza

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Solution:

The correct answer is option 2 i.e. Gol Gumbaz .

- Gol Gumbaz is a very beautiful monument in Bijapur, Karnataka. It is also called Whispering Gallery.
- There is a huge chamber inside the Gol Gumbaz, which is spread over 1700 square meters, it is called world's largest chamber.
- Its diameter extends to a length of 144.3 meters.
- This dome is standing without any support.

Question 65:

Chandragupta Maurya overthrew the power of the _____ at Magadha with the aid of Kautilya and founded a glorious Mauryan empire in 322 BC.

Difficulty : Moderate Average Time : 52 Seconds

Options:

- 1. Kurus
- 2. Nandas
- 3. Mallas
- 4. Panchalas

Solution:

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

- The Maurya Empire was founded in 322 BCE by Chandragupta Maurya, who had overthrown the Nanda Dynasty
 and rapidly expanded his power westward across central and western India in order to take advantage of the
 disruptions of local powers in the wake of the withdrawal by Alexander the Great 's armies.
- According to legend, the teacher Chanakya convinced his disciple, Chandragupta Maurya, to conquer the the kingdom of Magadha (the Nanda Empire) when he was insulted by its king Dhana Nanda.

Question 66:

In the context of the spread of germs by faecal matter, which of the following does NOT figure in the F-Diagram?

Difficulty: Moderate Average Time: 56 Seconds

Options:

- 1. Fluids
- 2. Fingers

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Files

4. Fungi

Solution:

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

- A fungus (plural: fungi) is a type of eukaryotic organism belonging to the kingdom Fungi, alongside plants, animals, protozoa, and monera.
- Fungi are incredibly diverse, with commonly encountered forms including yeast, molds, truffles, and mushrooms.
- Most fungi are microscopic, consisting of thread-like structures less than 10 µm in diameter named hyphae.

Question 67:

Who among the following won the 2020 Tour de France?

Difficulty : Moderate Average Time : 46 Seconds

Options:

- 1. Tadej Pogacar
- 2. Nairo Quintana
- 3. Wout Van Aert
- 4. Egan Bernal

Solution:

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

- Tadej Pogacar is a 24 year old professional cyclist from Slovenia (born September 21st 1998), who currently rides for UAE Team Emirates (UCI WorldTeam).
- Slovenian Tadej Pogaĕar burst onto the professional cycling scene in 2019 after signing to UAE Team Emirates for his first pro season.
- A winner of the Tour de l'Avenir in 2018, Pogaĕar further proved his promise for the future by winning the Volta ao Algarve and Tour of California, then taking three stages at the Vuelta a España and third overall in his first Grand Tour.

Question 68:

A 22.5 m high tent is in the shape of a frustum of a cone surmounted by a hemisphere. If the diameters of the upper and lower circular ends of the frustum are 21m and 39m, respectively, then find the area of the cloth (in m2) used to make the tent(ignoring the wastage). (Use = (rac{22}{7}))

Difficulty: Moderate Average Time: 71 Seconds

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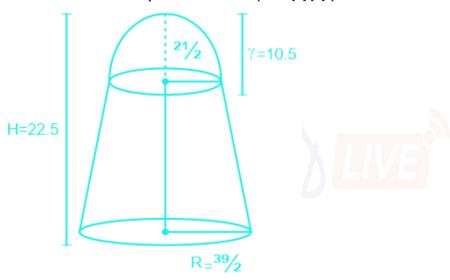


Options:

- 1. 1635\(\frac{2}{7}\)
- 2. 2800\(\frac{2}{7}\)
- 3. 2107\(\frac{2}{7}\)
- 4. 787\(\frac{2}{7}\)

Solution:

The correct answer is option 3 i.e. 2107\(\frac{2}{7}\)



Height of the tent = 22.5m

Upper and lower radius of the frustum

$$R = 39/2 = 19.5$$
, $r = 21/2 = 10.5$

Radius of hemisphere = 21/2 = 10.5

Height of the frustum = 22.5 - 21/2 = 12m

Slant height of the frustum = $(\sqrt{h^2+(R-r)^2})$

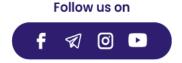
 $I = (\sqrt{12^2+(19.5-10.5)^2})$

I = 15

TSA of tent = CSA of frustum + CSA of hemisphere

$$= I(R + r) + 2r^2$$

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$$= \times 15 (38/2) + (21/2) + 2(21/2)^{2}$$

$$= 22/7 \times \{450 + (441/2)\}$$

$$= (22/7) \times 1341/2$$

The area of the cloth = $2107 (\frac{2}{7}) m^2$

Question 69:

The perimeter of two similar $\hat{a}^{+}ABC$ and $\hat{a}^{+}PQR$ are 48.4 cm and 12.1 cm, respectively. What is the ratio of the areas of $\hat{a}^{+}ABC$ and $\hat{a}^{+}PQR$?

Difficulty : Moderate Average Time : 87 Seconds

Options:

1.1:4

2. 16:1

3. 4:1

4. 1:16

Solution:

The correct answer is option 2 i.e. 16:1

Arera of a^+ABC/Area of a^+PQR = (Perimeter of a^+ABC/Perimeter of a^+PQR)

Arera of $\hat{a}^{+}ABC/Area$ of $\hat{a}^{+}PQR = [(48.4)/(12.1)]^{2}$

Arera of \hat{a} +ABC/Area of \hat{a} +PQR = $(4/1)^2$ = 16/1

Question 70:

STudy the histogram and answer the question given below. The graph represents the number of students obtaining a percentage of marks in class X Board examination in 2018 in a school. The number of students who hace secured less than 60% marks is what percent less than the number of students who have secured 80% marks and above?

Difficulty: Moderate Average Time: 55 Seconds

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Options:

- 1. 33.5%
- 2. 37.4%
- 3. 29.7%
- 4. 38.5%

Solution:

The correct answer is option 4 i.e. 38.5%

Number of students securing less than 60% marks = 10 + 30 = 40

Number of students securing more than 80% marks = 45 + 25 = 70

Difference = 70 - 40 = 30

%age = 30/70 × 100 =

Question 71:

If 4x - 3y = 12 and xy = 5, then find the value of $(rac\{16x^2+9y^2\}\{8\})$.

Difficulty: Moderate Average Time: 40 Seconds

Options:

- 1. 44
- 2. 3
- 3. 18
- 4. 33

Solution:

The correct answer is option 4 i.e. 33

$$4x - 3y = 12$$

$$(4x - 3y)^2 = 144$$

$$16x^2 + 9y^2 - 24xy = 144$$

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$$16x^2 + 9y^2 - 24 \times 5 = 144$$

$$16x^2 + 9y^2 = 264$$

$$16x^2 + 9y^2 = 264/8 = 33$$

Question 72:

A vegetable vendor sold 1 kg of potatos for Rs 25 ans earned 25% profit. In the envening, he started selling potatos with only 10% profit. At whar price per kg did he sell the potatos in th evening.

Difficulty : Moderate Average Time : 55 Seconds

Options:

- 1. 24
- 2. 22
- 3. 21
- 4. 20

Solution:

The correct answer is option 2 i.e. 22

Cost of 1 kg potatoes = $25 \times (100/125) = 20$

Now, selling price at $10\% = 20 \times (100 + 10)\%$

 $20 \times 110\% = 22$

Question 73:

If a 10- diit number 54726x79y6 is divisible by 72, then what is the value of 5x - 3y, for the least value of y?

Difficulty: Moderate Average Time: 39 Seconds

Options:

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23

2. 17

3. 16

4. 19

Solution:

The correct answer is option 3 i.e. 16

 $72 = 8 \times 9$

So the number should be divisible by both 8 and 9

78y should be divisible by 8

Now, 9y6 is divisible by 8 and y is the least possible value

So the least possible value of y = 3

Now, 5 + 4 + 7 + 2 + 6 + x + 7 + 9 + 3 + 6 = 49 + x is divisible by 9

So, x = 5

Now, $5x - 3y = (5 \times 5 - 3 \times 3) = 16$

Question 74:

If $(a + (rac\{1\}\{a\}+3^2)) = 16$, where a is a non-zero real number, then find the value of $a^2 + (rac\{1\}\{a^2\})$.

Difficulty: Moderate Average Time: 50 Seconds

Options:

1. 3

2. 7

3.47

4. 49

Solution:

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

 $(a + (\frac{1}{a}+3^2)) = 16$

 $(a + (\frac{1}{a}+3^2)) = 16$

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$$a + 1/a = 16 - 9$$

$$a + 1/a = 7$$

$$(a + 1/a)^2 = 7^2$$

$$a^2 + 1/a^2 + 2 = 49$$

$$a^2 + 1/a^2 = 47$$

Question 75:

In a triangle ABC, Point P and Q are on AB and AC, respectively, such that AP = 4cm, PB = 6cm, AQ = 5cm and QC = 7.5cm. If PQ = 6cm, then find BC (in cm).

Difficulty: Moderate

Average Time: 52 Seconds

Options:

- 1. 15
- 2. 9
- 3. 10
- 4. 12

Solution:

The correct answer is option 1 i.e. 15

In triangle ABC and triangle APQ,

AP/AB = 4/10 = 2/5

AQ/AC = 5/12.5 = 2/5

So, AB/AP = AC/AQ

So, triangle ABC ~ triangle APQ,

So, PQ/BC = 2/5

6/BC = 2/5

 $BC = 6 \times (2/5) = 15$

Question 76:

A reduction of 15% in the price of wheat enables a housewife to buy 6 kg more for Rs 2720. The reduced price of wheat

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per kg(in Rs) is:

Difficulty: Moderate Average Time: 47 Seconds

Options:

- 1. 75
- 2. 70
- 3.65
- 4. 68

Solution:

The correct answer is option 4 i.e. 68

Explanation:

Let the C.P. of wheat per kg be x

Total quantity of wheat in Rs.2720 = (2720) over x\)

New price = x - 15% of $x = ({85x} = 100) = {17x} = 20)$

New quantity of wheat in Rs. 2720 =\(2720\over $\{17x$ \over 20\\)

 $2720 \times (({20}\circ 17x))) = (3200\circ x)$

Now, $({3200} \cot x) - {2720} \cot x)) = 6$

 $(480 \operatorname{vover} x) = 6$

x = 80

New price of wheat per kg = $80 \times ((({17}\circ 20))) = 68$

Hence the new price of wheat per kg is 68.

Question 77:

Three partners X, Y and Z started their business by investing Rs 40,000, Rs 38,000 and Rs 30,000, respectively. After 6 months, X and Z made additional investments of Rs 20,000 and Rs 15,000 respectively, whereas Y withdrew Rs 8,000. Find the share of Y (in RS) in the total profit of Rs 38,880 made at the end of the year.

Difficulty: Moderate Average Time: 75 Seconds

Options:

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10,950

- 2. 10,880
- 3. 9,800
- 4. 10,200

Solution:

The correct answer is option 2 i.e. 10,880

Concept Used:

Profit = Amount of investment x Time of invest

Explanation:

Investment at the end of year $X = 40000 \times 6 + 60000 \times 6 = 240000 + 360000 = 600000$

Investment at the end of year Y = $38000 \times 6 + 30000 \times 6 = 228000 + 180000 = 408000$

Investment at the end of year $Z = 30000 \times 6 + 45000 \times 6 = 180000 + 270000 = 450000$

Ratio of profit share ratio = 600000 : 408000 : 450000 = 100 : 68 : 75

Share of Y = $38880 \times (((68) \times 243))) = 10880$

Question 78:

If $tan A = (rac\{2.4\}\{0.7\})$, what is the value of (50 cos A + 24 cot A)?

Difficulty: Moderate Average Time: 52 Seconds

Options:

- 1. 26
- 2. 21
- 3. 37
- 4. 34

Solution:

The correct answer is option 2 i.e. 21

tan A = 2.4/0.7

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$$P/B = 2.4/0.7$$

So.
$$H^2 = P^2 + H^2$$

$$H^2 = 2.4^2 + 0.7^2$$

$$H^2 = 5.76 + 0.49$$

$$H = 2.5$$

Now,
$$(50 \cos A + 24 \cot A) = [50 \times (0.7/2.5) + 24 \times (0.7/2.4)]$$

$$[20 \times 0.7 + 10 \times 0.7]$$

$$14 + 7 = 21$$

Question 79:

The length of the shadow of a vertical tower on level ground increases by 8.4 cm when the altitude of the sun changes from 45° to 30°. What is the height of the tower (in m)?

Difficulty: Moderate

Average Time: 54 Seconds

Options:

- 1. 4.2(\(\sqrt{3}+3\))
- 2. 8.4 (\(\sqrt{3}+3\))
- 3. 4.2 (\(\sqrt{3}+1\))
- 4. 4.2 (\(\sqrt{3}-1\))

Solution:

The correct answer is **option 3** i.e. 4.2 (\(\sqrt{3}+1\))

Let the height of the tower be H m and P be the shadow of the tower

In triangle ABC,

tan 45 = H/P

1 = H/P

H = P ... eq(i)

In triangle ABD,

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$$\tan 30 = H/(8.4 + P)$$

Putting the value of equation (i) we get,

$$1/(3)^{\frac{1}{2}} = H/(8.4 + H)$$

$$8.4 + H = (3)^{\frac{1}{2}}H$$

$$H = 8.4/((3)^{\frac{1}{2}} - 1)$$

On rationalization,

$$H = 4.2(3)^{\frac{1}{2}} + 1$$

Question 80:

If 35 men can finish a work in 6 days, then in how many days can 7 men do half of the same work?

Difficulty : Moderate Average Time : 68 Seconds

Options :

1. 15

2. 17

3. 30

4. 60

Solution:

The correct answer is option 1 i.e. 15

Total work = Efficiency × total time taken by them

Let the efficiency of each worker = x

So, total efficiency = 35x

Now, total work = $35x \times 6 = 210x$

Half of work = 210x/2 = 105x

Now, Required time = 105x/7 = 15 days

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Question 81:

The following bar graph shows exports of cars of type A and B (in millions) from 2014 to 2018. Study the graph and answers the question that follows. Exports of cars of type A and B (in Rs millions) during 2014 to 2018. The total exports of cars of type A in 2014 to 2018 is what per cent more than the total exports of cars of type B in 2015 to 2017? (correct to one decimal place)?

Difficulty : Moderate

Average Time: 58 Seconds

Options:

- 1. 41.3%
- 2. 51.7%
- 3. 50.4%
- 4. 44.3%

Solution:

The correct answer is option 2 i.e. 51.7%

Total exports of cars of type A from 2014 to 2018 = 1100

Total exports of cars of type B from 2015 to 2017 = 725

Difference = 1100 - 725 = 375

 $\% = 375/725 \times 100 = 51.7\%$

Question 82:

Ras Bihari, a plumber, earned on an average Rs 925 per day in the month of January. He earned on an average Rs 881 per day during the first 20 days and Rs 915 per day during the last 20 days. What was his average income (in rs) per day from 12th january to 20th January?

Difficulty: Moderate

Average Time: 51 Seconds

Options:

1. 792

2. 800

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875

4. 805

Solution:

The correct answer is option 4 i.e. 805

Given:

Average earning of january month = Rs 925 per day

Average earning of first 20 days = Rs 881 per day

Average earning of last 20 days = Rs 915 per day

Concept Used:

Average = Sum of elements/Number of elements

Explanation:

Total earnings in the month of january = $925 \times 31 = 28675$

Total earnings of first 20 days = $881 \times 20 = 17620$

Total earnings of last 20 days = $915 \times 20 = 18300$

Earning of 12^{th} january to 20^{th} january = (17620 + 18300) - 28675 = 7245

Hence average of earning of 12th january to 20th january = 7245/9 = 805.

Question 83:

LCM and HCF of two numbers are 90 and 15, respectively. If the sum of the two numbers is 75, then find the greater number.

Difficulty : Moderate

Average Time: 63 Seconds

Options:

1. 75

2. 45

3. 60

4. 90

Solution:

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The correct answer isoption 2 i.e. 45

Let the two nos. be a and b,

So,
$$a + b = 75$$

$$(a + b)^2 = 5625$$

$$a^2 + b^2 + 2ab = 5625$$

$$a^2 + b^2 + 2 \times 90 \times 15 = 5625$$

$$a^2 + b^2 = 2925$$

Now,

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

$$2925 - 2700 = (a - b)^2$$

$$225 = (a - b)^2$$

$$15 = (a - b)$$

Now, from equation 1 and 2,

$$a = 45$$
 and $b = 30$

The greater number is 45.

Question 84:

Select the most appropriate synonym of the given word. Retaliate

Difficulty : Moderate Average Time : 63 Seconds

Options:

- 1. Rotate
- 2. Facilitate
- 3. react
- 4. Clap

Solution:

The correct answer is option 3 i.e. react.

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The meaning of the given words is:

- Retaliate: make an attack in return for a similar attack.
- Rotate: move or cause to move in a circle round an axis or centre.
- Facilitate: make an action or process easy or easier.
- React: act in response to something; respond in a particular way.
- Clap: strike the palms of one's hands together repeatedly, typically in order to applaud someone or something.

The most appropriate synonym for **retaliate** is **react**.

Question 85:

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. I find that / I get myself tired / very easily / these days.

Average Time: 67 Seconds

Difficulty: Moderate

Options:

.....

1. very easily

2. I get myself tired

3. these days

4. I find that

Solution:

The correct answer is option 2 i.e. I get myself tired.

- The second part of the given sentence is erroneous in nature.
- Here in the given sentence, the use of the reflexive pronoun 'myself' is irrelevant as per the rule of grammar.
- Therefore, instead of 'I get myself tired', we should use 'I get tired.'

The correct sentence is:

I find that I get tired very easily these days.

Question 86:

Select the option that can be used as a one-word substitute for the given group of words. A four-footed animal

Difficulty: Moderate Average Time: 56 Seconds

Options:

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Reptile

- 2. Quadruped
- 3. Biped
- 4. Mammal

Solution:

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

The meaning of the given words is:

- Reptile: a vertebrate animal of a class that includes snakes, lizards, crocodiles, turtles, and tortoises.
- Quadruped: an animal that has four feet, especially an ungulate mammal.
- Biped: an animal that uses two legs for walking.
- **Mammal:** a warm-blooded vertebrate animal of a class that is distinguished by the possession of hair or fur, females that secrete milk for the nourishment of the young, and (typically) the birth of live young.

The most appropriate one-word substitute for the given set of words is Quadruped.

Question 87:

Select the option that expresses the given sentence in active voice. I was taught by Shyam how to drive.

Difficulty: Moderate Average Time: 65 Seconds

Options:

- 1. I taught Shyam how to drive
- 2. Shyam taught me how to drive.
- 3. Shyam is teaching me how to drive.
- 4. Shyam has taught me how to drive.

Solution:

The correct answer is option 2 i.e. Shyam taught me how to drive.

- The structure of the given passive voice sentence is: Objective case (Subject) + was/were + V3 + Subjective case(Object).
- The structure of the active voice sentence is: Subject + V2 + Object.
 - After swapping the positions of the subject and the object, "was taught" will be chtod into "taught".

The correct Active voice sentence is:

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Shyam taught me how to drive.

Question 88:

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time: 60 Seconds

Options:

- 1. Secratariat
- 2. Tongue
- 3. Heartbeat
- 4. Performance

Solution:

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

The meaning and correct spelling of the given words is:

- Secretariat: a permanent administrative office or department, especially a governmental one.
- Tongue: Organ used in speech and for tasting food.
- Heartbeat: the pulsation of the heart.
- **Performance:** the action or process of performing a task or function.

Question 89:

Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. As it was getting late Lata leave the party midway

Difficulty: Moderate Average Time: 58 Seconds

Options:

- No substitution required
- 2. is left the party
- 3. leaving the party
- 4. left the party

Solution:

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The correct answer isoption 4 i.e. left the party.

- The underlined part of the given sentence is erroneous in nature.
- Since the given sentence is in the simple past tense, the verb used should also be in the same tense.
- Thus, leave should be replaced with left.

The correct sentence is:

As it was getting late Lata left the party midway.

Question 90:

Select the most appropriate synonym of the given word. Audacity

Difficulty : Moderate Average Time : 53 Seconds

Options:

- 1. Kindness
- 2. Caution
- 3. Daring
- 4. Meekness

Solution:

The correct answer is option 3 i.e. Daring.

The meaning of the given words is:

- Audacity: a willingness to take bold risks.
- Kindness: the quality of being friendly, generous, and considerate.
- Cautious: careful to avoid potential problems or dangers.
- Daring: adventurous or audaciously bold.
- Meekness: the fact or condition of being meek; submissiveness.

The most appropriate synonym for 'Audacity' is 'Daring.'

Question 91:

Sentences of a paragraph are given below. While the first and the last sentences are in correct order, the sentences in between are jumbled up. Arrange the sentences in the right order to form a meaningful and coherent paragraph. S1. Ram Mohan was a lover of his country. P. David said that it would be a good plan to have an English school and college. Q. He

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was talking with David about uplifting the mind of Indians. R. So, he also thought that this subject was very interesting. S. David also had a strong bond with India. S6. Indians and Europeans met next year to put this idea into shape.

Difficulty: Moderate Average Time: 82 Seconds

Options:

- 1. RSPQ
- 2. SRPQ
- 3. QSRP
- 4. RPQS

Solution:

The correct answer is option 3 i.e. QSRP.

The first sentence of the paragraph should always be independent and introductory in nature.

- Sentence Q talks about David uplifting the mind of Indians.
- Sentence S David also had a strong bond with India.
- Sentence R So he thought that this subject was very interesting.
- Sentence P David said that it would be a good plan to have an English school and college.

The correct sentence is:

He was talking with David about uplifting the mind of Indians. David also had a strong bond with India. So, he also thought that this subject was very interesting. David said that it would be a good plan to have an English school and college.

Question 92:

Select the INCORRECTLY spelt word.

Difficulty: Moderate Average Time: 68 Seconds

Options:

- 1. Girdle
- 2. Giggle
- 3. Gingar
- 4. Giant

Solution:

The correct answer is option 3 i.e. Gingar.

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The meaning and correct spelling of the given words is:

- Girdle: a belt or cord worn around the waist.
- Giggle: a light, silly laugh.
- **Ginger:** a hot, fragrant spice made from the rhizome of a plant, which may be chopped or powdered for cooking, preserved in syrup, or candied
- Giant: of very great size or force; gigantic.

Question 93:

Select the most appropriate meaning of the given idiom. Cat's paw

Difficulty : Moderate Average Time : 54 Seconds

Options:

- 1. A person used as a tool by another
- 2. The most important attribute
- 3. To attack someone
- 4. Move at a fast pace

Solution:

The correct answer is option 1 i.e. A person used as a tool by another.

 The meaning of the given idiom, "Cat's paw" is "a person who is used by another to carry out an unpleasant or dangerous task".

The most appropriate choice among the given options is a person used as a tool by another.

Question 94:

The following sentence has been split into segments. Identify the segment that contains a grammatical error. My guide / was blind / but he bring / me home safely.

Difficulty : Moderate Average Time : 57 Seconds

Options:

- 1. My guide
- 2. but he bring

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me home safely

4. was blind

Solution:

The correct answer is **option 2** i.e. **but he bring.**

- The third part of the given sentence is erroneous in nature.
- Since the given sentence is in the **simple past tense** so the **verb** must be used in its **simple past form** (**brought**) and not in the **present form** (**bring**).
- Here, instead of 'but he bring' should be replaced 'but he brought.'

The correct sentence is:

My guide was blind but he brought me home safely.

Question 95:

The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer. The team won / very easily / at a recent sports event.

Difficulty: Moderate Average Time: 70 Seconds

Options:

- 1. No error
- 2. very easily
- 3. The team won
- 4. at the recent sports event

Solution:

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

There is no error in the given sentence.

Thus, the correct sentence is:

The team won very easily at a recent sports event.

Question 96:

Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'. I don't fancy to go out this evening.

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Difficulty: Moderate

Average Time: 48 Seconds

Options:

- 1. to be going out
- 2. to going outside
- 3. No improvement required
- 4. going out

Solution:

The correct answer is **option 4** i.e. **going out.**

- The underlined part of the sentence is erroneous in nature.
- "I fancy" needs a noun or object complement.
- A participle used as a noun complement, also known as **gerund** will be used.
- Here instead of 'to go out', we should use 'going out.'

The correct sentence is:

I don't fancy going out this evening.

Question 97:

Select the option that expresses the given sentence in passive voice. Nobody fed him when he was starving.

Difficulty: Moderate Average Time: 57 Seconds

Options:

- 1. He had not been fed by anybody when he was starving.
- 2. He is not fed by anybody when he is starving.
- 3. He were fed by nobody when he was starving.
- 4. He were fed by nobody when he was starving.

Solution:

The correct answer is option 4 i.e. He were fed by nobody when he was starving.

- The structure of the given active voice is: Subject + V2 + Object.
- The structure of the Passive active voice is: Objective Case (Subject) + was/were + V3 + Subject(Object)
 - o The subject and object will swap their positions on conversion.
 - Instead of 'were fed' will be changed into 'was fed'. Since the subject is singular in nature.

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The correct passive voice sentence is:

He was fed by nobody when he was starving.

Question 98:

Select the most appropriate ANTONYM of the given word. Industrious

Difficulty: Moderate Average Time: 68 Seconds

Options:

- 1. Persistent
- 2. Zealous
- 3. Indolent
- 4. Diligent

Solution:

The correct answer is option 3 i.e., Indolent.

The meaning of the given words is:

- Industrious: diligent and hard-working.
- Persistent: continuing to exist or occur over a prolonged period.
- Zealous: having or showing zeal.
- **Indolent:** wanting to avoid activity or exertion.
- Diligent: having or showing care and conscientiousness in one's work or duties.

The most appropriate anytonym for **Indolent** is **Industrious**.

Question 99:

The following sentence has been divided into parts. One of them contains an error. Select the part that contains the error from the given options. He conceded / a very crucial / point at / his opponent.

Difficulty : Moderate Average Time : 64 Seconds

Options:

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He conceded

- 2. a very crucial
- 3. his opponent
- 4. point at

Solution:

The correct answer is **option 4** i.e. **point at.**

- The third part of the given sentence is erroneous in nature.
- The preposition 'at' is used erroneously used.
- The preposition 'at' can be used in multiple contexts, such as telling time or location.
- The preposition 'to' is used to indicate a destination or direction.
- Thus, the preposition 'to' will be the most appropriate.

The correct sentence is:

He conceded a very crucial point to his opponent.

Question 100:

Select the most appropriate meaning of the given idiom. In the limelight

Difficulty: Moderate Average Time: 60 Seconds

Options:

- 1. The centre of attraction
- 2. About to be successful
- 3. In a well lit up room
- 4. A well kept secret

Solution:

The correct answer is **option 1** i.e. **The center of attraction.**

• The meaning of the given idiom, "In the limelight" is "At the center of public attention or notoriety".

Thus, the most appropriate choice among the given option is the center of attraction.

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Ssc Cgl Tier I Previous Year Question PaperAnalysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2022-04-21 in the Evening exam is as follows:

- 1. 100 questions were moderate.
- 2. The safe score is 140 marks.
- 3. 25 questions were asked from Quantitative Aptitude, 25 questions were asked from Logical Reasoning, 25 questions were asked from General Awareness and 25 questions were asked from English Language
- 4. 12 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

Quantitative Aptitude

1. Comparison Of Quantities - 25

Logical Reasoning

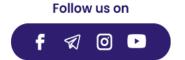
- 1. Coding Decoding 3
- 2. Analogy 1
- 3. Classification 1
- 4. Seating Arrangement 1
- 5. Blood Relations 1
- 6. Syllogism 1
- 7. Venn Diagrams 1
- 8. Dictionary Based 1
- 9. Figure Based 4
- 10. Matrix 1
- 11. Series 6
- 12. Mathematical Reasoning 3
- 13. Cubes And Dice 1

General Awareness

1. NDA GK - 25

English Language

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- Cloze Test 5
- 2. Spotting Error 4
- 3. Parajumbles 1
- 4. Idioms 2
- 5. One Word Substitution 1
- 6. Spellings 2
- 7. Narration 1
- 8. Voice 2
- 9. Sentence Improvement 2
- 10. Synonym 3
- 11. Antonym 2

Ssc Cgl Tier I Previous Year Question Paper Tips and 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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Exam Eligibility

Exam Pattern

Answer Key

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