

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 2021-08-18 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 :

In a certain code language, 'SURROUND' is written as 'RRUSDNUO'. How will 'MITIGATE' be written in that language?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

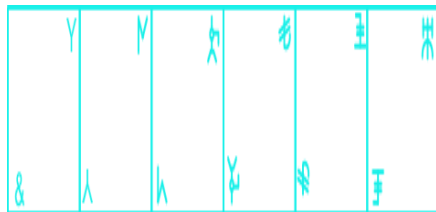
1. ITIMETGA
2. TIIMTEAG
3. ITIEMTAG
4. ITIMETAG

Solution :

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

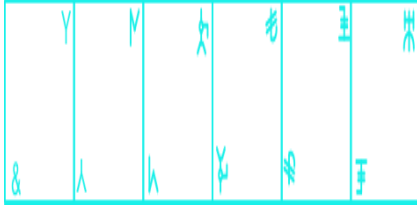
The logic used here is:

'SURROUND' is written as 'RRUSDNUO'



Similarly,

Code for the word MITIGATE:



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

Question 2 :

In a certain code language, 'NOSTALGIA' is coded as '81'. How will 'FRICTION' be coded in that language?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 105
2. 85
3. 36
4. 64

Solution :

The correct answer is **option 4** i.e. **64**.

The logic used here is:

$$(\text{Number of letters in the word})^2 = \text{Code}$$

'NOSTALGIA' is coded as '81'

$$\text{Number of letters in the word NOSTALGIA} = 9^2 = 81$$

Similarly,

Code for the word FRICTION:

$$\text{Number of letters in the word FRICTION} = 8^2 = 64$$

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

Question 3 :

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

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Only A and C
2. Only C and D
3. Only A and D
4. No figure can be formed

Solution :

The correct answer is **option 4** i.e. **No figure can be formed.**

When the sheet is folded to form a cube;

A is opposite to W.

P is opposite to J.

E is opposite to T.

From the dice A, P and J are on adjacent sides. So, figure A cannot be formed.

From the dice B, A and W are on adjacent sides. So, figure B cannot be formed.

From the dice C, P and J are on adjacent sides. So, figure C cannot be formed.

From the dice D, T and E are on adjacent sides. So, figure D cannot be formed.

Thus, no figure can be formed.

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

Question 4 :

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 dustbins are plastic items. No plastic item is stone. All woods are stones. Conclusions: I. No dustbin is wood. II. No plastic item is wood. III. Some woods may be dustbins.

Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. All the conclusions follow
2. Only conclusion II follows

Page No: 3

Follow us on



Address : 1997, Mukherjee Nagar, 110009

Email : online@kdcampus.org

Call : +91 95551 08888

Download the App



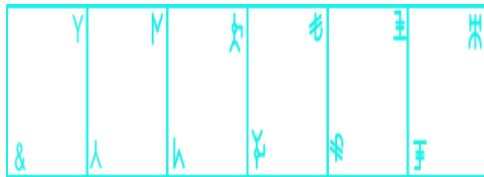
Only conclusions I and II follow

4. Only conclusion I follows

Solution :

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

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



Conclusions:

I. No dustbin is wood **True** (As all dustbins are plastic items, and no plastic item is stone, and all woods are stones, so, no dustbin is wood).

II. No plastic item is wood **True** (As no plastic item is stone, and all woods are stones, so, no plastic item is wood).

III. Some woods may be dustbins **False** (It is possible but no definite conclusion can be drawn).

Hence, **Only conclusions I and II follow.**

Question 5 :

In the following Venn diagram, the square stands for 'Doctors', the circle stands for 'Blood donators', and the pentagon stands for 'Women'. The given numbers represent the number of persons in that particular category. How many women doctors are blood donators?

Difficulty : Moderate

Average Time : 82 Seconds

Options :

- 1. 57
- 2. 54
- 3. 50
- 4. 36

Solution :

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

The number of women doctors who are blood donators is = Number that is common to square, pentagon, and circle = 50

**Question 6 :**

Select the letter cluster from among the given options that can replace the question mark (?) in the following series. NZK, MBH, LDE, KFB, ?

Difficulty : Moderate**Average Time : 38 Seconds****Options :**

1. HIY
2. JHZ
3. JHY
4. JHX

Solution :

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

Given series: NZK, MBH, LDE, KFB, ?

The series follows the pattern:

NZK, MBH

$N - 1 = M$

$Z + 2 = B$

$K - 3 = H$

Similarly;

KFB, ?

$K - 1 = J$

$F + 2 = H$

$B - 3 = Y$

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

Question 7 :

Select the option in which the numbers are related in the same way as the numbers of the following set. (18, 24, 144)

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

(22, 18, 246)

2. (26, 15, 130)

3. (16, 12, 109)

4. (18, 20, 137)

Solution :

The correct answer is **option 2** i.e. **(26, 15, 130)**.

The logic used here is:

(18, 24, 144)

$$18 \times 2 \times 4 = 18 \times 8 = 144$$

Similarly,

Option 1: (22, 18, 246)

$$22 \times 1 \times 8 = 22 \times 8 = 176$$

This does not follow the logic.

Option 2: (26, 15, 130)

$$26 \times 1 \times 5 = 26 \times 5 = 130$$

This follows the logic.

Hence, **option 2** is the correct answer.

Question 8 :

Which two numbers should be interchanged to make the given equation correct? $78 \div 48 \times 8 + (26 \times 7) - 39 + (45 + 15) = 210$

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 78 and 45

2. 45 and 48

3. 48 and 39

4. 26 and 15

Solution :

The correct answer is **option 3** i.e. **48 and 39**.

Given equation: $78 \div 48 \times 8 + (26 \times 7) - 39 + (45 + 15) = 210$

Let us check all the options:

Option 1: 78 and 45

The expression becomes:

$$= 45 \div 48 \times 8 + (26 \times 7) - 39 + (78 + 15)$$

$$= 243.5 \text{ is not equal to } 210.$$

Option 2: 45 and 48

$$= 78 \div 45 \times 8 + (26 \times 7) - 39 + (48 + 15)$$

$$= 219.86 \text{ is not equal to } 210.$$

Option 3: 48 and 39

$$= 78 \div 39 \times 8 + (26 \times 7) - 48 + (45 + 15) = 210$$

$$= 210 \text{ is equal to } 210.$$

As we have found our answer, we need not check the other options.

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

Question 9 :

Select the option that is related to the fourth number in the same way as the first the number is related to the second number and the fifth number is related to the sixth number. 83: 3:: ?: 5:: 258: 4

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 527

2. 627

3. 123

4. 222

Solution :

The correct answer is **option 2** i.e. **627**.



The logic used here is:

83: 3

$$3^4 + 2 = 81 + 2 = 83$$

258: 4

$$4^4 + 2 = 256 + 2 = 258$$

Similarly,

?: 5

$$5^4 + 2 = 625 + 2 = 627$$

Hence, **option 2** is the correct answer.

Question 10 :

If 'A # B' means 'A is the sister of B' and 'A @ B' means 'A is the mother of B', then which of the following expressions means 'C is the mother of F'?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. H @ C # M # F
2. C @ H # M @ F
3. F @ H # M # C
4. C @ H # M # F

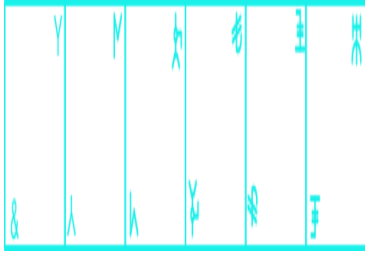
Solution :

The correct answer is **option 4** i.e. **C @ H # M # F**.

In the diagram shown;

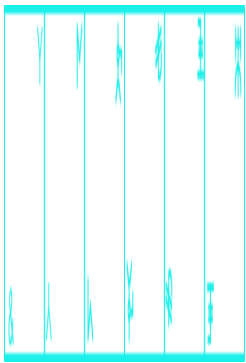
Square shows males, the circle shows females, vertical lines show generations, a single horizontal line shows brothers or sisters, and double lines show a couple.

Option 1: H @ C # M # F



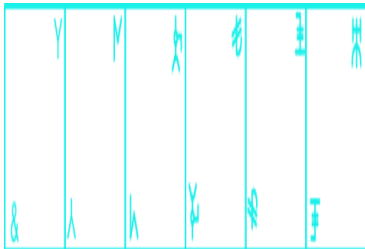
From the above figure, C is not the mother of F.

Option 2: C @ H # M @ F



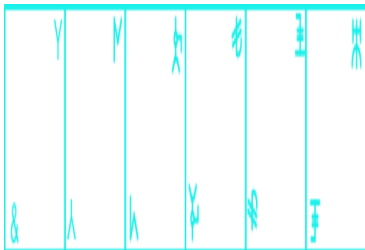
From the above figure, C is not the mother of F.

Option 3: F @ H # M # C



From the above figure, C is not the mother of F.

Option 4: C @ H # M # F



From the above figure, C is the mother of F.

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

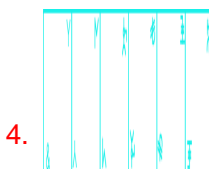
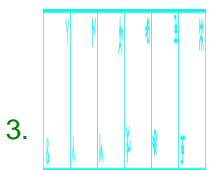
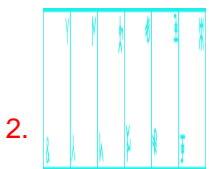
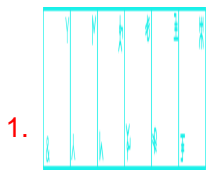
Question 11 :

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?

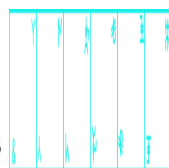
Difficulty : Moderate

Average Time : 98 Seconds

Options :

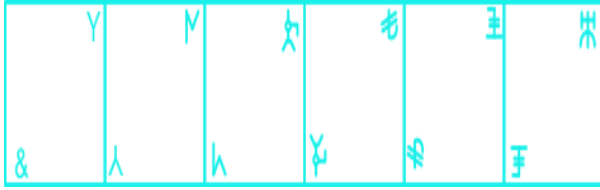


Solution :



The correct answer is **option 3**.

After unfolding, the paper will appear as follows:



When the paper is unfolded same pattern of cutting will appear on the top and right sides of the paper.

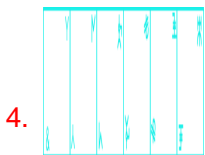
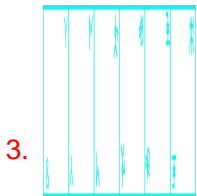
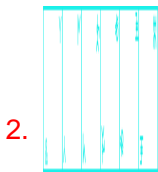
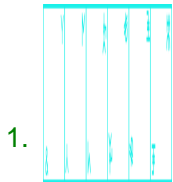
Question 12 :

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

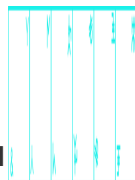
Difficulty : Moderate

Average Time : 69 Seconds

Options :

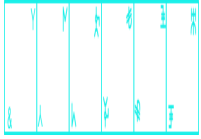


Solution :



The correct answer is **option 1**.

The figure in option 1 is embedded in the given figure, as shown below:



Question 13 :

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

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. TXCZ
2. DHSP
3. FJQN
4. NRJG

Solution :

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

The logic used here is:

The middle two letters in the letter cluster are opposite to each other.

Option 1: TXCZ

C is opposite to X.

Option 2: DHSP

H is opposite to S.

Option 3: FJQN

J is opposite to Q.

Option 4: NRJG

R is not opposite to J.

This does not follow the logic.

Hence, **option 4** is the odd one out.

Question 14 :



Select the option in which the numbers are related in the same way as the numbers of the following set. (5, 11, 275)

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. (6, 18, 180)
2. (9, 15, 270)
3. (8, 14, 490)
4. (4, 16, 256)

Solution :

The correct answer is **option 4** i.e. (4, 16, 256).

The logic used here is:

(5, 11, 275)

$$5^2 \times 11 = 275$$

Similarly,

(4, 16, 256)

$$4^2 \times 16 = 256$$

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

Question 15 :

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

Difficulty : Moderate

Average Time : 41 Seconds

Options :

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

Solution :

The correct answer is **option 2**



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 2** is the correct answer.

Question 16 :

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

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. Zambia: Harare
2. Sudan: Tanzania
3. Nigeria: Senegal
4. Kenya: Nairobi

Solution :

The correct answer is **option 4** i.e. **Kenya: Nairobi**.

The logic used here is:

Mauritius: Port Louis

Port Louis is the capital city of Mauritius.

Similarly,

Kenya: Nairobi

Nairobi is the capital city of Kenya.

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

Question 17 :



Select the option that is related to the third word in the same way as the second word is related to the first word. Conceit: Modesty:: Despair: ?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Hope
2. Gloom
3. Anguish
4. Pain

Solution :

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

The logic used here is:

Conceit: Modesty

Conceit means excessive pride in oneself.

Modesty means the quality of being relatively moderate, limited, or small in amount, rate, or level.

Conceit is the antonym of modesty.

Similarly,

Despair:?

Despair means the complete loss or absence of hope.

Hope means a feeling of expectation and desire for a particular thing to happen.

Despair is the antonym of hope.

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

Question 18 :

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

Difficulty : Moderate

Average Time : 60 Seconds

Options :

Cardiologists

2. Nephrologists

3. Pulmonologists

4. Psychiatrists

Solution :

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

The logic used here is:

Cardiologists, Nephrologists, and Pulmonologists are doctors who treat parts of the body such as the heart, kidney, and lungs.

A psychiatrist is a medical doctor who can diagnose and treat a wide range of mental illnesses.

Hence, **option 4** is the odd one out.

Question 19 :

Select the combination of letters that when sequentially placed in the blanks of the given series will complete the series. K _ C T Q _ O C _ _ K O _ T _ K O _ T T

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. O, K, T, R, C, T, C

2. P, K, T, R, C, S, C

3. O, K, U, R, C, S, C

4. O, K, T, R, C, S, C

Solution :

The correct answer is **option 4** i.e. **O, K, T, R, C, S, C**.

The sequence is – O, K, T, R, C, S, C

Given sequence: K _ C T Q _ O C _ _ K O _ T _ K O _ T T

Option 1: O, K, T, R, C, T, C

K O C T Q / K O C T R / K O C T T / K O C T T

Option 2: P, K, T, R, C, S, C

KPCTQ/KOCTR/KOCTS/KOCTT

Option 3: O, K, U, R, C, S, C

KOCTQ/KOCUR/KOCTS/KOCTT

Option 4: O, K, T, R, C, S, C

KOCTQ/KOCTR/KOCTS/KOCTT

Option 4 forms a particular pattern.

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

Question 20 :

What was the day of the week on 10 June 2011?

Difficulty : Moderate

Average Time : 103 Seconds

Options :

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

Solution :

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

10 June, 2011 = (2010 years + Number of days from 1.1.2011 to 10.6.2011)

Odd days in 1600 years = 0

Odd days in 400 years = 0

10 years = (2 leap years + 8 ordinary years) = (2 x 2 + 8 x 1) = 12 days 5 odd days

Number of days from 1.1.2011 to 10.6.2011

Total number of days = 161 days = 0 odd days

Total number of odd days = (0 + 5) = 5 5 odd days

Thus, the day is **Friday**.

Question 21 :



Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. 1. Turban 2. Terminator 3. Twister 4. Temptation 5. Terrorism

Difficulty : Moderate

Average Time : 55 Seconds

Options :

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

Solution :

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

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

So the arrangement is;

1. Temptation
2. Terminator
3. Terrorism
4. Turban
5. Twister

Question 22 :

Select the number from among the given options that can replace the question mark (?) in the following series. 6, 7, 23, 41, 125, ?

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. 345
2. 245
3. 254
4. 324

Solution :

The correct answer is **option 2** i.e. **245**.

Given series: 6, 7, 23, 41, 125, ?

The series follows the pattern:

$$6 \times 2 - 5 = 7$$

$$7 \times 3 + 2 = 23$$

$$23 \times 2 - 5 = 41$$

$$41 \times 3 + 2 = 125$$

$$125 \times 2 - 5 = 245$$

So, the next term in the series is **245**.

Question 23 :

How many triangles are there in the given figure?

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. 13

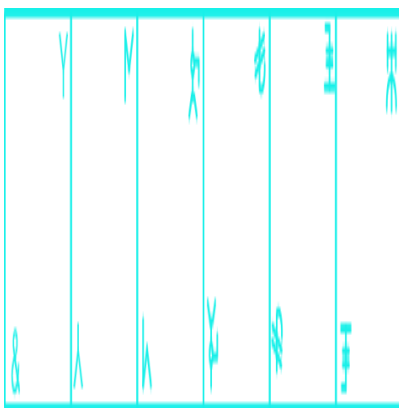
2. 12

3. 14

4. 15

Solution :

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





13 triangles: AFC, CFG, BEC, CED, CBD, CAG, AHG, GIJ, GJK, CLM, GMN, GIK, GLN.

Question 24 :

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 : 43 Seconds****Options :**

1. 22: 490
2. 25: 631
3. 21: 447
4. 30: 908

Solution :

The correct answer is **option 4** i.e. **30: 908**.

The logic used here is:

$$(1\text{st number})^2 + 6 = 2\text{nd number}$$

Option 1: 22: 490

$$(22)^2 + 6 = 484 + 6 = 490$$

Option 2: 25: 631

$$(25)^2 + 6 = 625 + 6 = 631$$

Option 3: 21: 447

$$(21)^2 + 6 = 441 + 6 = 447$$

Option 4: 30: 908

$$(30)^2 + 6 = 900 + 6 = 906$$

This does not follow the logic.

Hence, **option 4** is the odd one out.

Question 25 :

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

Difficulty : Moderate

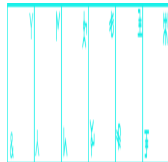
Average Time : 51 Seconds

Options :

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



Solution :



The correct answer is **option 4**.

The logic used here is:

1. The figure at the left side bottom is removed in the next step and a new figure is added in the top right corner in the next step.
2. In the 2nd step, the figure on the left bottom side is the water image of the top right-side figure of the previous figure.

The series of figures:



Question 26 :



Which of the following is an award for contribution in the field of science and technology?

Difficulty : Moderate

Average Time : 79 Seconds

Options :

1. Shanti Swarup Bhatnagar (SSB) Award
2. Dronacharya Award
3. Jnanpith Award
4. Deenanath Mangeshkar Award

Solution :

The correct answer is **option 1** i.e. **Shanti Swarup Bhatnagar (SSB) Award**.

- An honor for science in India is the "Shanti Swarup Bhatnagar (SSB) Prize for Science and Technology."
- It was given out each year in recognition of exceptional achievements in science and technology.
- One of India's top multidisciplinary science honors is this one.
- The Council for Scientific and Industrial Research provides it.

Question 27 :

Which of the following diseases is caused by bacteria?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Rubella
2. Zika fever
3. Polio
4. Diphtheria

Solution :

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

- The bacteria *Corynebacterium diphtheria* is the source of the infection known as diphtheria.
- The nose and throat are both impacted.

Question 28 :

Alamgir was the title of which Mughal emperor?



Difficulty : Moderate

Average Time : 37 Seconds

Options :

1. Akbar
2. Shah Jahan
3. Babur
4. Aurangzeb

Solution :

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

- Alamgir was the title of the Mughal emperor Aurangzeb meaning "**conqueror of the world**".
- He was born in Dahod on November 3, 1618, the son of Shah Jahan and Mumtaz Mahal.
- In 1675, he put to death Guru Tegh Bahadur, the ninth Sikh guru.
- The Mughal Empire's territorial zenith was attained during Aurangzeb.
- When Aurangzeb learned of instances of money sent to Arabia being misappropriated, he encouraged its distribution in India, which, in his opinion, "was as much a house of God as Mecca."

Question 29 :

Which is the largest union territory in India in terms of area?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Ladakh
2. Chandigarh
3. Jammu and Kashmir
4. Puducherry

Solution :

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

- Ladakh is the largest union territory in India in terms of area which covers 59,146 km² of land area.
- Largest state by area is Rajasthan.

Question 30 :

IPR 1956 formed the basis of the _____ Five-Year Plan of India.



Difficulty : Moderate

Average Time : 40 Seconds

Options :

1. Third
2. Fourth
3. First
4. Second

Solution :

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

- The Second Five-Year Plan, which attempted to provide the groundwork for a socialist social structure, was based on the Industrial Policy Resolution of 1956.
- The Second Five Year Plan (1956-1961) was based on the Mahalanobis model, which was proposed by P.C. Mahalanobis.
- The Second Five Year Plan was an Industrial and Transport Plan because the highest priority was given to strengthening the industrial base of the economy by developing the public sector, to achieve rapid Industrialisation.

Question 31 :

The _____ sultanate was ruled by the Sharqi dynasty.

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Bharatpur
2. Agra
3. Jaunpur
4. Delhi

Solution :

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

- The Sharqi dynasty ruled the Jaunpur sultanate.
- The Sharqi Dynasty was started by Malik-ul-Sharq.
- Malik-ul-Sharq established his rule from Etawah to Bengal and Vindhyaachal to Nepal, with Jaunpur serving as his capital.



Malik-ul-Sharq, the dynasty's founder, passed away in 1398.

Question 32 :

World Leprosy Day 2021 was celebrated in India on _____ January 2021.

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. 22
2. 25
3. 31
4. 30

Solution :

The correct answer is **option 4** i.e. **30**.

- On January 30, 2021, India observed World Leprosy Day.
- The date of January 30 has been chosen to commemorate Mahatma Gandhi's passing.

Question 33 :

Parsec is a unit of _____.

Difficulty : Moderate

Average Time : 34 Seconds

Options :

1. acceleration
2. speed
3. time
4. length

Solution :

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

Parsec is the unit of distance.

- Large distances to celestial objects outside the solar system are measured using this unit of length.
- More than three light-years, or 30 trillion kilometers, make up one parsec.

Question 34 :

Which of the following is the SI unit for measuring the amount of a substance?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. metre (m)
2. kelvin (K)
3. mole (mol)
4. candela (cd)

Solution :

The correct answer is **option 3** i.e. **mole (mol)**.

- The "number of discrete atomic-scale particles in it" divided by the "Avogadro constant N_A " is the measure of the substance in a particular sample of matter.
- The SI unit known as the mole is used to quantify quantities of substances.
- The number of particles that make up a substance is its quantity.
- The exact number of elementary entities in a mole (mol) is $6.02214076 \times 10^{23}$.

Question 35 :

The Kamaicha is a bowed lute played by the Manganiars of:

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. west Rajasthan
2. west Goa
3. west Bihar
4. west Kerala

Solution :

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

- It is a bowed lute played by the Manganiars of west Rajasthan.
- The entire instrument is made of wood, with the spherical bowl extending into the neck and fingerboard. The upper part of the instrument is made of wood, while the resonator is covered in leather.
- Some academics believe it to be the oldest instrument, other than the Ravana Hatta or Ravana Hasta Veena, and it connects the subcontinent to Western Asia and Africa.

**Question 36 :**

The archaeological site of Atranjikhhera is located in _____.

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Uttarakhand
2. Uttar Pradesh
3. Maharashtra
4. Himachal Pradesh

Solution :

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

- The Atranjikhhera archaeological site is situated near Etah, Uttar Pradesh.
- In western Uttar Pradesh, on the banks of the Hindon River, a tributary of the Yamuna River is the ancient Indus Valley Civilization site of Alamgirpur.

Question 37 :

In 1977, who became the President of the Janata Party, which formed a coalition government at the centre with Morarji Desai as the Prime Minister?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Charan Singh
2. Madhu Dandavate
3. George Fernandes
4. Chandra Shekhar

Solution :

The correct answer is **option 4** i.e. **Chandra Shekhar**.

Chandra Shekhar Singh

- In 1977, he assumed leadership of the Janata Party.
- Between 10 November 1990 and 21 June 1991, he was the 8th Prime Minister of India. He was an Indian politician.

Question 38 :



Who is the General Secretary of Communist Party of India as of January 2021?

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. Brinda Karat
2. Sujan Chakrabarti
3. S Sudhakar Reddy
4. D Raja

Solution :

The correct answer is **option 4** i.e. **D Raja**.

- The current general secretary of CPI is D. Raja.
- On December 25, 1925, the Communist Party of India was established.
- It is one of our country's national parties and one of the oldest.
- The Communist Party of India's first General Secretary was SV Ghate (CPI).

Question 39 :

With which of the following sports do you associate the term '16-yard hit'?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Field hockey
2. Cricket
3. Lawn tennis
4. Golf

Solution :

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

16-yard hit:

- After the attacking team crosses the baseline with the ball, the defense team makes a hit 16 yards from the goal line.
- A team sport in the hockey family is field hockey.
- There are 11 players on each squad.

**Question 40 :**

Atoms of which element combines with hydrogen to give water?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Carbon
2. Oxygen
3. Iodine
4. Nitrogen

Solution :

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

A water molecule is made up of 2 grams of hydrogen and 16 grams of oxygen.

The molecular formula of water is H_2O .

Question 41 :

The Arjuna Awards are given by the Ministry of Youth Affairs and Sports to recognise outstanding achievement in sports and games. It was instituted in _____.

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. 1947
2. 1961
3. 1969
4. 1956

Solution :

The correct answer is **option 2** i.e. **1961**.

- India's Arjuna Awards were first presented in 1961.
- The first six recipients of the Arjuna Award received it in 1961.
- The first female to win the Arjuna Award was Meena Shah of badminton in 1962.
- In the year 1961, Krishna Das was given the Arjuna Award in the category of Archery.

Question 42 :



In 2020, Kolkata Port Trust was renamed as _____.

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Syama Prasad Mookerjee Trust
2. Ramakrishna Trust
3. Subhash Chandra Bose Trust
4. Sri Aurobindo Trust

Solution :

The correct answer is **option 1** i.e. **Syama Prasad Mookerjee Trust**.

The Syama Prasad Mookerjee Port, formerly known as the Kolkata Port Trust, has changed its name.

It was renamed on the occasion of 150 years of operation of Kolkata Port at Netaji Indoor Stadium.

Question 43 :

With which of the following states does Bangladesh NOT share its border?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

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

Solution :

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

The Indian states that share a border with Bangladesh are Tripura, Assam, West Bengal, Meghalaya, and Mizoram.

Question 44 :

Who is the author of the book, 'Men in White - A Book of Cricket'?

Difficulty : Moderate

Average Time : 37 Seconds

Options :



Sanjay Manjrekar

2. Mukul Kesavan

3. Harsha Bhogle

4. Boria Mazumdar

Solution :

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

- Mukul Kesavan is an Indian historian, novelist, and author of political and social essays.
- He wrote a cricket book called Men in White, which was released in 2007.

Question 45 :

The rules made for the _____ were written down in a book called 'Vinaya Pitaka'.

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. Vaishnavites
2. Buddhist sangha
3. Lingayats
4. Shakta cult

Solution :

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

- A text pertaining to Buddhist Sangha regulations is called Vinaya Pitaka.
- The Vinaya was preserved by being memorized and chanted by generations of monks and nuns.
- The Tipitaka, a compilation of the earliest Buddhist writings, consists of three parts, the first of which is the Vinaya-Pitaka, or "basket of discipline."
- The Vinaya contains the Buddha's regulations for monks and nuns' behaviour.
- It also includes tales of the lives of the early Buddhist nuns and monks.
- The Buddha's lifetime did not see the recording of the Vinaya.

Question 46 :

Which of the following is a district-cum-tourism hotspot of Arunachal Pradesh?

Difficulty : Moderate

Average Time : 59 Seconds

Options :



1. Alipurduar

2. Jalpaiguri

3. Kalimpong

4. Tawang

Solution :

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

- Arunachal Pradesh's Tawang area is a popular tourist destination.
- West Bengal's tourism destinations include Alipurdaur, Jalpaiguri, and Kalimpong.

Question 47 :

In connection with the issue of adoption of villages by parliamentarians, a scheme named 'SAGY' was launched. What does the 'A' in SAGY stand for?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Anubhav

2. Atmanirbhar

3. Apna

4. Adarsh

Solution :

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

Saansad Adarsh Gram Yojana

- On October 11, 2014, the anniversary of Jai Prakash Narayan's birth, the Saansad Adarsh Gram Yojana was introduced.

Question 48 :

Weber per second is equivalent to _____.

Difficulty : Moderate

Average Time : 38 Seconds

Options :

1. ampere

volt

3. coulomb

4. ohm

Solution :

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

Weber per second is equivalent to Volt.

Question 49 :

_____ festival in the Bastar region is celebrated along with the worship of the local goddess, Kesharpal Kesharpalin Devi.

Difficulty : Moderate

Average Time : 35 Seconds

Options :

1. Phool Dei

2. Harela

3. Madai

4. Khatarua

Solution :

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

- In the Indian state of Chhattisgarh, the Charama and Kurna groups of the Kanker area celebrate the Madai Festival.
- This event is also observed by the residents of Bhanupratappur, Narayanpur, Kondagaon, Pakhanjore, and Antagrah.

Question 50 :

Which of the following is the nodal ministry for implementation of the 'SVAMITVA' scheme launched in 2020?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Ministry of Education

2. Ministry of Agriculture and Farmers' Welfare

3. Ministry of Urban and Rural Development

4. Ministry of Panchayati Raj

Solution :

The correct answer is **option 4** i.e. **Ministry of Panchayati Raj.**

- The Ministry of Panchayati Raj (MoPR) is the Nodal Ministry for the implementation of the 'SVAMITVA' scheme.
- The SVAMITVA program gives rural residents the ability to use their property as a source of income.
- Survey of Villages and Mapping with Improved Technology in Village Areas (SVAMITVA) is the abbreviation.
- Over 132,000 landowners will receive actual copies of their property titles at the event.

Question 51 :

If $x + y + z = 1$, $xy + yz + zx = xyz = -4$, then what is the value of $(x^3 + y^3 + z^3)$

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

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

Solution :

The correct answer is **option 3** i.e. **1.**

$$x + y + z = 1$$

On squaring both sides we get,

$$x^2 + y^2 + z^2 + 2(xy + yz + zx) = 1$$

$$x^2 + y^2 + z^2 + 2 \times -4 = 1$$

$$x^2 + y^2 + z^2 = 9$$

$$x^3 + y^3 + z^3 - 3xyz = (x + y + z)[x^2 + y^2 + z^2 - (xy + yz + zx)]$$

$$x^3 + y^3 + z^3 = 1 \times [9 - (-4)] + 3 \times -4$$

$$x^3 + y^3 + z^3 = 13 - 12$$

$$x^3 + y^3 + z^3 = 1.$$

Question 52 :

What is the constant term in the expansion of $((5x^2 - \frac{1}{x})^3)$?



Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. 15
2. 5
3. 75
4. -15

Solution :

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

$$\begin{aligned} \left((5x^2 - \frac{1}{x})^3 \right) &= \left[\frac{(5x^3 - 1)}{x} \right]^3 \\ &= \frac{(5x^3)^3 - 1 - 3 \times 5x^3 \times 1(5x^3 - 1)}{x^3} \\ &= \frac{5x^9 - 1 - 75x^3 + 15x^3}{x^3} \end{aligned}$$

Now one can observe that the constant term will be 15.

Question 53 :

In a trapezium PQRS, PQ is parallel to RS and diagonals PR and QS intersect at O. If PQ = 4 cm, SR = 10 cm, then what is area((Delta)POQ) : area ((Delta)SOR)?

Difficulty : Moderate

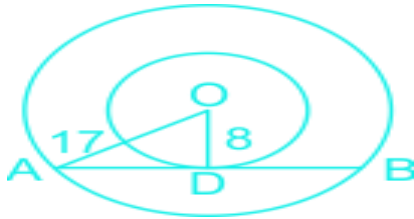
Average Time : 50 Seconds

Options :

1. 2 : 3
2. 2 : 5
3. 4 : 25
4. 4 : 9

Solution :

The correct answer is **option 3** i.e. **4 : 25**.



In the given figure $PQ \parallel SR$ so one can say that,

$$\triangle PQO \sim \triangle SOR$$

$$\text{Area of } \triangle PQO : \text{Area of } \triangle SOR = (4/10)^2$$

$$\text{Area of } \triangle PQO : \text{Area of } \triangle SOR = 4 : 25$$

Question 54 :

A shopkeeper buys an article at 30% discount on its marked price and sells it at 5% discount on its marked price. If he earns a profit of Rs. 65, then what is the marked price (in Rs.) of the article?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. 227.50
2. 325
3. 260
4. 292.50

Solution :

The correct answer is **option 3** i.e. **260**.

Let the marked price be $100x$.

$$CP = 70\% \text{ of } MP = 70x$$

$$SP \text{ of an article at } 5\% \text{ discount} = 100x \times 95\% = 95x$$

$$95x - 75x = 65$$

$$25x = 65$$

$$x = 65/25$$

$$100x = 100 \times 65/25 = 260.$$

Question 55 :



If $\tan(\theta) = \sqrt{5}$, then the value of $\frac{\operatorname{cosec}^2 \theta + \sec^2 \theta}{\operatorname{cosec}^2 \theta - \sec^2 \theta}$ is:

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. $-\frac{7}{5}$
2. $\frac{7}{5}$
3. $-\frac{3}{2}$
4. $\frac{3}{2}$

Solution :

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

$$\tan(\theta) = \sqrt{5} = P/B$$

$$H^2 = (\sqrt{5})^2 + 1^2$$

$$H = \sqrt{6}$$

$$\frac{\operatorname{cosec}^2 \theta + \sec^2 \theta}{\operatorname{cosec}^2 \theta - \sec^2 \theta}$$

$$\frac{(\sqrt{\frac{65}{2} + \sqrt{6^2}})(\sqrt{\frac{65}{2} - \sqrt{6^2}})}{}$$

$$\frac{\frac{36}{5}}{\frac{-24}{5}} = -\frac{3}{2}$$

Question 56 :

A sum of Rs. 6342 is divided amongst A, B, C, and D in the ratio 3 : 4 : 8 : 6. What is the difference between the shares of B and D?

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. Rs. 906
2. Rs. 1510
3. Rs. 302
4. Rs. 604

Solution :

The correct answer is **option 4** i.e. **Rs. 604**



Let the share of A, B, C and D be $3x$, $4x$, $8x$ and $6x$.

$$21x = 6342$$

$$x = 302$$

Difference of share of B and D = $6x - 4x$

$$= 2x = 2 \times 302$$

$$= 604.$$

Question 57 :

If $(x^2 - 5\sqrt{2}x + 1 = 0)$, then what is the value of $(\frac{x^3 + \frac{1}{x}}{x^2 + 1})$?

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

1. $\frac{24\sqrt{2}}{5}$
2. $\frac{12\sqrt{2}}{5}$
3. $\frac{18\sqrt{2}}{5}$
4. $\frac{26\sqrt{2}}{5}$

Solution :

The correct answer is **option 1** i.e. $\frac{24\sqrt{2}}{5}$

$$x^2 - 5\sqrt{2}x + 1 = 0$$

On dividing LHS and RHS by x we get,

$$x + \frac{1}{x} = 5\sqrt{2}$$

On squaring both sides we get,

$$x^2 + \frac{1}{x^2} = 50 - 2 = 48.$$

$$\frac{x^3 + \frac{1}{x}}{x^2 + 1}$$

On dividing by x we get,

$$\frac{x^2 + \frac{1}{x^2}}{x + \frac{1}{x}} = \frac{48}{5\sqrt{2}}$$

On rationalization we get,

$$= \frac{24\sqrt{2}}{5}$$

**Question 58 :**

Simplify the following expression: $6 \div 4 \text{ of } 3 - 4 \div 6 \times (13 - 10) - 2 \times 15 \div 6 \times 6$

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

1. $\left(-27\frac{1}{2}\right)$
2. $\left(-19\frac{1}{2}\right)$
3. $\left(-29\frac{14}{17}\right)$
4. $\left(-31\frac{1}{2}\right)$

Solution :

The correct answer is **option 4** i.e. $\left(-31\frac{1}{2}\right)$

$$6 \div 4 \text{ of } 3 - 4 \div 6 \times (13 - 10) - 2 \times 15 \div 6 \times 6$$

$$6 \div 4 \text{ of } 3 - 4 \div 6 \times 3 - 2 \times 15 \div 6 \times 6$$

$$6 / 12 - 4/6 \times 3 - 2 \times 15/6 \times 6$$

$$1/2 - 2 - 30$$

$$\left(-31\frac{1}{2}\right).$$

Question 59 :

A sum of Rs. 3125 amounts to Rs. 3515.20 in 3 years at $x\%$ p.a. interest is compounded yearly. What will be the simple interest (in Rs.) on the same sum and for the same time at $(x + 2)\%$ p.a.?

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

1. 562.50
2. 554
3. 550
4. 565.50

Solution :

The correct answer is **option 1** i.e. **562.50**.

$$A = P(1 + r/100)^n$$



$$3515.20 = 3125(1 + r/100)^3$$

$$3515.20/3125 = (1 + r/100)^3$$

$$17576/15625 = (1 + r/100)^3$$

$$26/25 = (1 + r/100)$$

$$r = 4\%$$

$$\text{SI for } (x + 2) = (4 + 2) = 6\%$$

$$\text{SI} = (3125 \times 6 \times 3)/100$$

$$\text{SI} = 562.5$$

Question 60 :

A can complete a work in 60 days. B is 25% more efficient than A. They work together for 15 days. C alone completes the remaining work in 14 days. B and C together will complete $(\frac{5}{8})$ th part of the original work in:

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

1. 18 days
2. 15 days
3. 16 days
4. 12 days

Solution :

The correct answer is **option 4** i.e. **12 days**.

Let the efficiency of A = 4 units/ day

Total work = $4 \times 60 = 240$ units

The efficiency of B = 125% of 4 = 5 units/day

Both A and B work for 15 days

Work done by A and B in 15 days = $15 \times 9 = 135$ units

Remaining work = $240 - 135 = 105$ units

The efficiency of C = $105/14 = 7.5$ units/day



$5/8$ of the work = $5/8 \times 240 = 150$ units

Time taken by B and C to finish 150 units of work = $150/12.5 = 12$ days

Question 61 :

By selling an article for Rs. 131.25 a trader gains as much percent as the number representing the cost price of the article. In order to earn 40% profit, at what price (in Rs.) should he sell the article?

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. 140
2. 105
3. 75
4. 100

Solution :

The correct answer is **option 2** i.e. **105**.

Let the CP be x , so the Gain % = $x\%$.

$$x(100 + x)/100 = 131.25.$$

$$x(100 + x) = 13125$$

$$x^2 + 100x = 13125$$

$$x^2 + 100x - 13125 = 0$$

$$(x - 75)(x + 175) = 0$$

$$x = 75, -175$$

To get a profit of 40%,

$$SP = 75 \times 140\% = 105.$$

Question 62 :

The cost of tilting the floor of a rectangular room is Rs. 9100 at Rs. 65 per m². The ratio of the length and breadth of the floor is 7 : 5. The perimeter (in m) of the floor of the room is:

Difficulty : Moderate

Average Time : 52 Seconds

**Options :**

1. 36
2. 24
3. 48
4. 28.8

Solution :

The correct answer is **option 3** i.e. **48**

Total cost = 9100

Rate of tilting the floor = $65/m^2$.

Area of the floor = $9100/65 = 140m^2$.

Let the length and breadth of the floor be $7x$ and $5x$

$$7x \times 5x = 140$$

$$35x^2 = 140$$

$$x = 2.$$

Perimeter of the floor = $2(l + b) = 24x = 24 \times 2 = \mathbf{48m}$.

Question 63 :

The average of ten numbers is 32.5. The average of first four numbers is 25.6 and that of the last three numbers is 38.2. The 5th number is 50% more than the 6th number and 8 less than the 7th number. What is the average of 5th and 7th numbers?

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. 42
2. 41
3. 42.4
4. 41.5

Solution :

The correct answer is **option 4** i.e. **41.5**



Average = (Sum of observations)/(Number of observations).

Sum of Ten numbers = $32.5 \times 10 = 325$.

The sum of the first four numbers = $4 \times 25.6 = 102.4$.

The sum of the last three numbers = $3 \times 38.2 = 114.6$

The sum of fifth, sixth and seventh number = $325 - 102.4 - 114.6 = 108$.

Let the sixth number be = x

The fifth number = 150% of $x = 1.5x$

Seventh number = $1.5x + 8$.

$$x + 1.5x + 1.5x + 8 = 108$$

$$4x = 100$$

$$x = 25.$$

Fifth number = $1.5 \times 25 = 37.5$

Seventh number = $1.5x + 8 = 25 \times 1.5 + 8 = 45.5$

Required average = $(37.5 + 45.5)/2 = 41.5$.

Question 64 :

ABCD is a cyclic quadrilateral AB and DC meet at F, when produced. AD and BC meet at E, when produced. If $(\text{ngle})\text{BAD} = 68^\circ$ and $(\text{ngle})\text{AEB} = 27^\circ$, then what is the measure of $(\text{ngle})\text{BFC}$?

Difficulty : Moderate

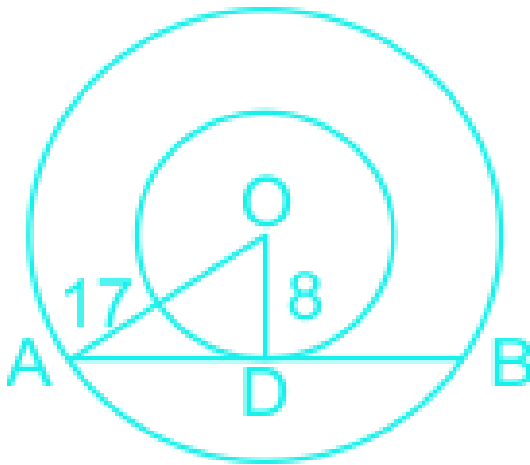
Average Time : 63 Seconds

Options :

1. 27°
2. 22°
3. 17°
4. 15°

Solution :

The correct answer is **option 3** i.e. 17° .



From the above figure,

$\angle FBC = 68 + 27$ (Exterior angle is equal to the sum of opposite interior angle).

$\angle FBC = 95^\circ$

$\angle FCB = \angle DAB = 68^\circ$ (Alternate segment theorem)

$\angle BFC = 180 - 95 - 68 = 17^\circ$

Question 65 :

Medicines of three different flavours - A, B and C (in lakh bottles) manufactured by a pharmaceutical company over a period of five years from 2010 to 2014 is given in the bar graph. Production of flavor A in 2012 is what percent less than the average production of flavor B in all the years (correct to 2 decimal places)?

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. 3.87
2. 4.66
3. 6.98
4. 5.66

Solution :

The correct answer is **option 4** i.e. **5.66**.



Production of A in 2012 = 50

Production of B in all five years = $265/5 = 53$

Required % = $(53 - 50)/53 \times 100 = 5.66\%$.

Question 66 :

If the 5 digit number 688xy is divisible by 3, 7 and 11, then what is the value of $(5x + 3y)$?

Difficulty : Moderate

Average Time : 37 Seconds

Options :

1. 36
2. 23
3. 43
4. 39

Solution :

The correct answer is **option 4** i.e. **39**.

Here it is given that 688xy is divisible by 3, 7 and 11.

The divisibility of 3 says that if the sum of the digits of a number is divisible by 3 then the number will be divisible by 3.

$$= 6 + 8 + 8 + x + y = 21 + x + y + 1 \quad (21 \text{ is already a multiple of } 3 \text{ so one can ignore this})$$

possible value of $x + y = 2, 5, 8, 11, 14, 17$.

The divisibility rule of 11 says that the sum of the digits at an odd place - the sum of the digits at even place = 0 or 11.

$$= 6 + 8 + y - 8 - x$$

$$= 6 + y - x$$

at $y = 8$ and $x = 3$ we get,

$$= 6 + 8 - 3 = 11 \text{ (satisfy)}$$

$$(5x + 3y) = 5 \times 3 + 3 \times 8 = 39.$$

Question 67 :

If $5 \sin^2(\theta) - 4 \cos(\theta) - 4 = 0$, $0^\circ < \theta < 90^\circ$, then the value of $(\cot(\theta) + \operatorname{cosec}(\theta))$ is:

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. $\frac{\sqrt{6}}{2}$
2. $\frac{\sqrt{6}}{3}$
3. $\frac{3}{2}$
4. $\frac{2}{3}$

Solution :

The correct answer is **option 1** i.e. $\frac{\sqrt{6}}{2}$

$$\begin{aligned} &5 \sin^2 \theta - 4 \cos \theta - 4 = 0 \implies 5(1 - \cos^2 \theta) - 4 \cos \theta - 4 = 0 \\ &\implies 5 - 5 \cos^2 \theta - 4 \cos \theta - 4 = 0 \implies 5 \cos^2 \theta + 4 \cos \theta - 1 = 0 \\ &\implies 5 \cos^2 \theta + 5 \cos \theta - \cos \theta - 1 = 0 \implies 5 \cos \theta (\cos \theta + 1) - 1(\cos \theta + 1) = 0 \\ &\implies (5 \cos \theta - 1)(\cos \theta + 1) = 0 \implies \cos \theta = \frac{1}{5} \text{ or } -1 \end{aligned}$$

$$\cos \theta = \frac{1}{5} = B/H.$$

$$P^2 = H^2 - B^2$$

$$P^2 = 25 - 1 = 24$$

$$P = 2\sqrt{6}$$

$$\cot \theta = B/P = \frac{1}{2\sqrt{6}}$$

$$\operatorname{cosec} \theta = \frac{5}{2\sqrt{6}}$$

$$(\cot \theta + \operatorname{cosec} \theta) = \frac{6}{2\sqrt{6}} = \frac{\sqrt{6}}{2}$$

Question 68 :

Suman travels from place X to Y and Rekha travels from Y to X, simultaneously, After meeting on the way, Suman and Rekha reach Y and X, in 3 hours 12 minutes and 1 hour 48 minutes, respectively. If the speed of Rekha is 9 km/h, then the speed (in km/h) of Suman is:

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

1. $\frac{1}{2}$
2. 8
3. 6
4. $\frac{3}{4}$

Solution :

The correct answer is **option 4** i.e. $\left(\frac{3}{4}\right)$

Time taken by Suman = 3 hours + 12 minutes = $3 + \frac{1}{5} = \frac{16}{5}$ hours

Time taken by Rekha = 1 hour + 48 minutes = $\frac{9}{5}$ hours,

As one knows that,

Speed of Suman/ Speed of Rekha = (Time taken by Rekha/Time taken by Suman)

$$s/9 = \left(\sqrt{\frac{\frac{9}{5}}{\frac{16}{5}}}\right)$$

$$s = \left(\frac{3}{4}\right).$$

Question 69 :

(Delta) ABC is an equilateral triangle. D is a point on side BC such that $BD : BC = 1 : 3$, If $AD = 5(\sqrt{7})$ cm, then the side of the triangle is:

Difficulty : Moderate

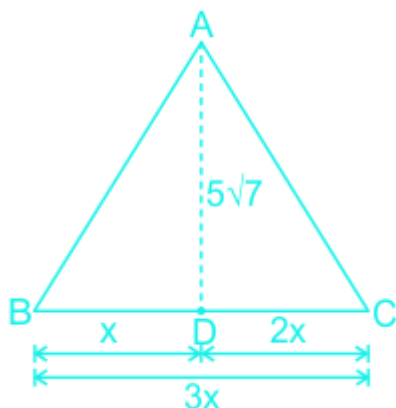
Average Time : 55 Seconds

Options :

1. 20 cm
2. 18 cm
3. 15 cm
4. 12 cm

Solution :

The correct answer is **option 3** i.e. **15 cm**.



From the given figure one can say that,

$$BD = x, \text{ then } DC = 2x$$

$$AB = AC = BC = 3x.$$

By using the cosine rule in $(\Delta)ABD$,

$$\cos 60^\circ = \frac{x^2 + (3x)^2 - (5\sqrt{7})^2}{2 \times x \times 3x}$$

$$\frac{1}{2} = \frac{x^2 + 9x^2 - 175}{6x^2}$$

$$x^2 = 25$$

$$x = 5$$

Side of an equilateral triangle = $3x = 3 \times 5 = 15$ cm.

Question 70 :

The income of A is 20% less than the income of B and the income of C is 70% of the sum of incomes of A and B. The income of D is 25% more than the income of C. If the difference between the incomes of B and D is Rs. 23000, then what is the income (in Rs.) of A?

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. 28000
2. 26000
3. 32000
4. 25000

Solution :

The correct answer is **option 3** i.e. **32000**.

Let the income of B = $100x$

Income of A becomes = 80% of $100x = 80x$

Income of C = 70% of $(100x + 80x) = 126x$

Income of D = 125% of $126x = 157.5x$

According to the question,

$$157.5x - 100x = 23000$$

$$x = 400$$



Income of A = $80x = 80 \times 400 = 32000$

Comprehension :

Study the following table and answer the question: The number of cars sold by dealers A, B, C, D, & E during the first six months of 2018. Month Dealer January February March April May June A 620 640 628 635 430 625 B 600 642 635 580 450 620 C 640 635 640 540 625 740 D 520 645 722 740 600 780 E 548 638 720 740 650 800

Question 71 :

The average number of cars sold by dealer C in February, April and May exceeds the number of cars sold by the dealer E in January by x. The value of x lies between

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 55 and 60
2. 40 and 45
3. 45 and 50
4. 50 and 55

Solution :

The correct answer is **option 4** i.e. **50 and 55**.

The average number of cars sold by dealer C in February, April and May = $(635 + 540 + 625)/3 = 600$.

Number of Cars sold by dealer E in January = 548.

Required difference = $600 - 548 = 52$

It lies between **50 and 55**.

Question 72 :

In $(\Delta) PQR$, $(\angle)Q = 90^\circ$. If $\tan R = \frac{1}{3}$, then what is the value of $(\frac{\sec P(\cos R + \sin P)}{\operatorname{cosec} R(\sin R - \operatorname{cosec} P)})$?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. $\frac{18}{7}$

$$\left(-\frac{18}{7}\right)$$

3. $\left(-\frac{2}{7}\right)$

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

Solution :

The correct answer is **option 2** i.e. $\left(-\frac{18}{7}\right)$

$$\text{If } \tan R = \frac{1}{3} = P/B$$

$$(\text{Hypotenuse})^2 = 3^2 + 1^2$$

$$H = \sqrt{10}$$

$$\sin P = \frac{3}{\sqrt{10}} \text{ and } \sin R = \frac{1}{\sqrt{10}}$$

$$\cos R = \frac{3}{\sqrt{10}}$$

$$\operatorname{cosec} P = \frac{\sqrt{10}}{3} \text{ and } \operatorname{cosec} R = \frac{\sqrt{10}}{1}$$

$$\sec P = \sqrt{10}$$

$$\left(\frac{\sec P (\cos R + \sin P)}{\operatorname{cosec} R (\sin R - \operatorname{cosec} P)}\right) =$$

$$\left(\frac{\sqrt{10} \left(\frac{3}{\sqrt{10}} + \frac{3}{\sqrt{10}}\right)}{\sqrt{10} \left(\frac{1}{\sqrt{10}} - \frac{\sqrt{10}}{3}\right)}\right) =$$

$$\left(\frac{6 \times 3 \sqrt{10} \sqrt{10} \times -7}{\sqrt{10} \times -7}\right) = -18/7.$$

Comprehension :

Study the following table and answer the question: The number of cars sold by dealers A, B, C, D, & E during the first six months of 2018.

Month	Dealer	January	February	March	April	May	June
A	620	640	628	635	430	625	
B	600	642	635	580	450	620	
C	640	635	640	540	625	740	
D	520	645	722	740	600	780	
E	548	638	720	740	650	800	

Question 73 :

80% the total number of cars sold by dealers B and E in April is what percent less than the total number of cars sold by the dealers C and D in February?

Difficulty : Moderate

Average Time : 88 Seconds

Options :

1. 15%

2. 12.5%

3. 17.5%



16%

Solution :

The correct answer is **option 3** i.e. **17.5%**

80% the total number of cars sold by dealers B and E in April = $(580 + 740) \times 80\% = 1056$.

Total number of cars sold by dealers C and D in February = $635 + 645 = 1280$.

Required % = $(1280 - 1056)/1280 \times 100 = 17.5\%$.

Comprehension :

Directions: Bar graph shows the number of students enrolled for a vocational course in institutes A and B during 5 years.

Question 74 :

The average number of students enrolled in institute A during 2014, 2016 and 2018 is what percent less than the number of students enrolled in institute B during 2017 (correct to two decimal places)?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. 29.17%
2. 32.75%
3. 26.15%
4. 22.46%

Solution :

The correct answer is **option 3** i.e. **26.15%**

The average number of students enrolled in institute A during 2014, 2016 and 2018 = $(160 + 300 + 260)/3 = 240$.

The number of students enrolled in institute B during 2017 = 325.

Required % = $(325 - 240)/325 \times 100 = 26.15\%$.

Question 75 :

A chord AB of circle C1 of radius 17 cm touches circle C2 which is concentric to C1. The radius of C2 is 8 cm. What is the length (in cm) of AB?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

25

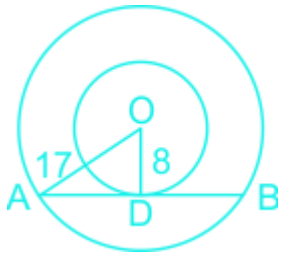
2. 20

3. 30

4. 24

Solution :

The correct answer is **option 3** i.e. **30**.



Chord AB acts as a tangent for circle C_2 .

In $\triangle AOD$,

$$OA^2 = OD^2 + AD^2$$

$$17^2 = 8^2 + AD^2$$

$$AD^2 = 289 - 64 = 225$$

$$AD = 15$$

$$AB = 2 \times AD$$

$$AB = 2 \times 15 = 30 \text{ cm.}$$

Question 76 :

Select the most appropriate meaning of the following idiom. A live wire

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. An angry and bad-tempered person
2. A dangerous and evil person
3. A very active or energetic person



An influential and powerful person

Solution :

The correct answer is **Option 3** i.e. **A very active or energetic person.**

A live wire is an idiom that means **an energetic and unpredictable person.**

For example: She is a wonderful girl a real live wire and full of fun.

So, a **very active or energetic person** is the most appropriate meaning of the given idiom.

Hence, the correct answer is **Option 3** i.e. **A very active or energetic person.**

Question 77 :

Select the most appropriate synonym of the given word. Deride

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Approve
2. Admire
3. Lift
4. Mock

Solution :

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

Deride is a verb that means **to laugh at someone or something in a way that shows you think they are stupid or of no value.**

For example: This building, once derided by critics, is now a major tourist attraction.

Let's see the meaning of the given options:

- **Mock** - tease or laugh at in a scornful or contemptuous manner.
- **Lift** - raise to a higher position or level.
- **Admire** - regard with respect or warm approval.
- **Approve** - officially agree to or accept as satisfactory.

. From the above meanings, it is evident that the word **mock** is the correct synonym for the word **deride**.

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

Question 78 :



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. Four of earliest civilisations / of the world / were located / on the banks of or near large rivers.

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. or near large rivers
2. of the world
3. Four of earliest civilisations
4. were located on the banks of

Solution :

The correct answer is **Option 3** i.e. **Four of earliest civilisations**.

- In the given sentence, the error lies in the part '**Four of earliest civilisations**'. The given part is missing the definite article "**the**".
- 'Earliest' is the superlative form of the adjective 'early'.
- To make the sentence correct, we need to add definite article 'the' before the superlative form.

The correct sentence is - *Four of the earliest civilisations* of the world were located on the banks of or near large rivers.

Hence, the correct answer is **Option 3** i.e. **Four of earliest civilisations**.

Question 79 :

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. No sooner did Priya / get her report card / when she started jumping / with joy.

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. get her report card
2. with joy
3. No sooner did Priya
4. when she started jumping

Solution :



The correct answer is **Option 4** i.e. **when she started jumping**.

- In the given sentence, the error lies in the part '**when she started jumping**'.
- No sooner is used to show that one thing happens immediately after another thing. It is often used with the past perfect and usually followed by **than**.

For example: We had no sooner started cooking than there was a power cut and we had no electricity.

- Thus, in the given sentence, '**when**' will be replaced by '**than**'.

The correct sentence is - *No sooner did Priya get her report card **than she started jumping** with joy.*

Hence, the correct answer is **Option 4** i.e. **when she started jumping**.

Question 80 :

Select the most appropriate meaning of the following idiom. Lion's share

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. The part that must be left for the guests in a party
2. The sound produced by a lion when it is attacking a prey
3. The greatest and most desirable portion of something
4. The strongest and richest partner in a group

Solution :

The correct answer is **Option 3** i.e. **The greatest and most desirable portion of something**.

Lion's share is an idiom that means the largest part of something, especially a disproportionate portion.

For example - The eldest son received the lion's share of the estate.

So, **the greatest and most desirable portion of something** is the most appropriate meaning of the given idiom.

Hence, the correct answer is **Option 3** i.e. **The greatest and most desirable portion of something**.

Question 81 :

Select the most appropriate ANTONYM of the given word. Comfort

Difficulty : Moderate

Average Time : 65 Seconds

**Options :**

1. Luxury
2. Enjoyment
3. Happiness
4. Discontentment

Solution :

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

The word '**Comfort**' is a noun that means a state of physical ease and freedom from pain or constraint.

For example - There is room for four people to travel in comfort.

Let's see the meanings of the given words:

- **Happiness** - the state of being happy.
- **Discontentment** - lack of contentment, dissatisfaction.
- **Luxury** - a state of great comfort or elegance, especially when involving great expense.
- **Enjoyment** - the state or process of taking pleasure in something.

From the above meanings, it is evident that the word **discontentment** is the correct antonym for the word **comfort**.

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

Question 82 :

Select the option that expresses the given sentence in reported speech. The policeman said, "It is clear that this is the work of a professional robber".

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. The policeman said that it was clear that that was the work of a professional robber.
2. The policeman said it was clear that is the work of a professional robber.
3. The policeman said that it must be clear that this was the work of a professional robber.
4. The policeman said that it had been clearly the work of a professional robber

Solution :

The correct answer is **Option 1** i.e. **The policeman said that it was clear that that was the work of a professional**

robber.

The given sentence is in direct speech, to convert this sentence into indirect speech we need to follow the following points:

- Inverted commas will get omitted and 'that' will be used.
- In assertive sentences which does not have a direct personal object like in the given sentence, the reporting verb 'said' remains unchanged.
- In the reporting speech, the verb 'is' will be changed to 'was' when converting into indirect speech.
- Next, the word 'this' in the reporting speech will be changed to 'that' when converting into indirect speech.

After following these steps, we got the indirect speech as: **The policeman said that it was clear that that was the work of a professional robber.**

Hence, the correct answer is **Option 1** i.e. **The policeman said that it was clear that that was the work of a professional robber.**

Question 83 :

Select the option that can be used as a one-word substitute for the given group of words. The act or habit of talking in one's sleep

Difficulty : Moderate

Average Time : 100 Seconds

Options :

1. Soliloquy
2. Prologue
3. Somniloquy
4. Monologue

Solution :

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

Let's see the meaning of the given words:

- **Soliloquy**- an act of speaking one's thoughts aloud when by oneself or regardless of any hearers especially by a character in a play.
- **Prologue**- a separate introductory section of a literary dramatic, or musical work.
- **Somniloquy**- also known as sleepwalking, is defined as talking during sleep with varying degrees of comprehensibility.
- **Monologue**- a long speech by one actor in a play or film, or as part of a theatrical or broadcast programme.

From the above meanings, it is clear that **somniloquy** is the best word to substitute.



Hence, the correct answer is **Option 3** i.e. **Somniloquy**.

Question 84 :

Select the most appropriate ANTONYM of the given word. Conceited

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. Modest
2. Superior
3. Proud
4. Vain

Solution :

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

The word '**Conceited**' is an adjective which means '**excessively proud of oneself, vain**'.

Let's see the meanings of the given words:

- **Modest**- unassuming in the estimation of one's abilities or achievements.
- **Superior**- higher in rank, status, or quality.
- **Proud**- feeling deep pleasure or satisfaction as a result of one's own achievements, qualities, or possessions or those of someone with whom one is closely associated.
- **Vain**- having or showing an excessively high opinion of one's appearance, abilities, or worth.

From the above meanings, it is evident that **modest** is the correct antonym for the word **conceited**.

Hence, the correct answer is **Option 1** i.e. **Modest**.

Question 85 :

Select the option that expresses the given sentence in passive voice. The boy's cricket ball broke the neighbour's window.

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. The neighbour's window was broken by the boy's cricket ball.
2. The neighbour's window is broken by the boy's cricket ball.
3. The neighbour's window had been broke by the boy's cricket ball.



The neighbour's window was broke by the boy's cricket ball.

Solution :

The correct answer is **Option 1** i.e. **The neighbour's window was broken by the boy's cricket ball.**

Active form: **The boy's cricket ball broke the neighbour's window.**

Rules for changing Active form to Passive from:

- Simply exchange the places of the subject and the object. The subject should become the object and vice-versa while changing a sentence from Active to Passive voice or reverse.
- Now, convert the main verb into its past participle or third form while converting from active to passive voice.
- Use the word "by" before the subject in the passive sentence.

Now, the given sentence is in past tense. When the active form is in "**past participle**" form then the passive voice should follow the format "**was/were + V₃**" form.

The passive form will be: **The neighbour's window was broken by the boy's cricket ball.**

Hence, the correct answer is **Option 1** i.e. **The neighbour's window was broken by the boy's cricket ball.**

Question 86 :

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph. A. They stopped at a village on the way to rest and drink water and found the entire village had gathered to watch a weightlifter who was putting on a performance. B. Tenali was very impressed and exclaimed, "You are very strong!" C. With his big arms and bulging muscles, he picked up a 200-kg bag of rice with ease. D. One day Tenali Raman and his wife were on their way to Hampi.

Difficulty : Moderate

Average Time : 119 Seconds

Options :

1. DACB
2. BDCA
3. CDAB
4. DBCA

Solution :

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

While arranging the parts of the passage, we should find some grammatical or contextual connections between them.



Also, the first sentence of a passage is usually independent and introduces a topic. The second one provides more information about it.

Steps to arrange the sentences in the correct order to form a meaningful and coherent paragraph:

- Sentence D is the independent sentence and introduce a topic of how the subjects Tenali Raman and his wife were going to Hampi. So, **sentence D** is the first sentence after rearrangement.

This eliminates option 2 and option 3.

- **Sentence D** should be followed by **sentence A** which talks about what they did on their journey towards Hampi. This correct order is shown in option 1, which shows the full sequence as DACB.
- Thus, the correct order after rearrangement is **option 1** i.e. **DACB**.

The paragraph is: *One day Tenali Raman and his wife were on their way to Hampi. They stopped at a village on the way to rest and drink water and found the entire village had gathered to watch a weightlifter who was putting on a performance. With his big arms and bulging muscles, he picked up a 200-kg bag of rice with ease. Tenali was very impressed and exclaimed, "You are very strong!"*

Hence, the correct answer is **Option 1** i.e. **DACB**.

Question 87 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. Suresh has only been working here since one month and he has already learnt the job.

Difficulty : Moderate

Average Time : 109 Seconds

Options :

1. here for one month
2. here from one month
3. No substitution
4. here ever since one month

Solution :

The correct answer is **Option 1** i.e. **here for one month**.

- The part of the sentence **here since one month** is **incorrect** as it uses a wrong preposition i.e. '**since**'.
- The preposition '**since**' is used with a point in time in past.

For example: It was the band's first live performance since May 1990.

- In the given sentence, the correct preposition is '**for**' as it is used with a period of time in past, present and future.



For example: She's been on the phone for hours.

The correct sentence is: *Suresh has only been working here for one month and he has already learnt the job.*

Hence, the correct answer is **Option 1** i.e. **here for one month**.

Question 88 :

Select the option that can be used as a one-word substitute for the given group of words. A person who thinks that bad things are more likely to happen or who emphasises the bad part of a situation

Difficulty : Moderate

Average Time : 84 Seconds

Options :

1. Misanthropist
2. Complainer
3. Pessimist
4. Optimist

Solution :

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

Let's see the meanings of the given words:

- **Misanthropist**- a person who dislikes humankind and avoids human society.
- **Complainer**- a person who expresses dissatisfaction or annoyance about something.
- **Pessimist**- a person who believes that this world is as bad as it could be or that evil will ultimately prevail over good.
- **Optimist**- a person who believes that this world is the best of all possible worlds or that good must ultimately prevail over evil.

After going through the meanings, we find that the most suitable word is '**Pessimist**'.

Hence, the correct answer is **Option 3** i.e. **Pessimist**.

Question 89 :

Select the most appropriate synonym of the given word. Brat

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Rich person
2. Spoilt child



Plump lady

4. Wise man

Solution :

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

The word '**Brat**' is a noun which means '**a child, typically one that is badly behaved**'.

For example: She's been acting like a spoiled brat all evening.

Therefore, the correct synonym for the word **brat** is **spoilt child**.

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

Question 90 :

Select the most appropriate option to fill in the blank. Himank's health has _____ ever since he has refused to get himself treated.

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. deteriorated
2. depreciated
3. disparaged
4. denigrated

Solution :

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

Let's see the meaning of the given words:

- **Deteriorated-** to become worse.
- **Depreciated-** to gradually lose value over time.
- **Disparaged-** to criticize someone or something in a way that shows you do not respect or value him, her, or it.
- **Denigrated-** criticize unfairly; disparage.

Hence, the most suitable word is "**deteriorated**" as the sentence talks about how the patient's health became poorer overtime.

The correct sentence is: *Himank's health has **deteriorated** ever since he has refused to get himself treated.*

Hence, the correct answer is **Option 1** i.e. **deteriorated**.



Question 91 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Professor
2. Teacher
3. Headmaster
4. Director

Solution :

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

The correct spelling is '**Professor**' which means '**a top-tier professor at a university**'.

Rest of the words are spelt correctly. Let's see the meaning of the given words:

- **Professor**- A top-tier professor at a university.
- **Teacher**- An educator, particularly one who works in a school.
- **Headmaster**- The person overseeing a school.
- **Director**- A person in charge of a business or organization

Hence, the correct answer is **Option 1** i.e. **Professor**.

Question 92 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Referred
2. Rhyme
3. Restaurant
4. Reciept

Solution :

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



The correct spelling is '**Receipt**' which means '**an act of receiving something**'.

Rest of the words are spelt correctly. Let's see the meaning of the given words:

1. **Referred**- To make reference to or discuss something.
2. **Rhyme**- A word with the same pronunciation as another.
3. **Restaurant**- A location where you can purchase and eat food.
4. **Receipt**- An act of receiving something.

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

Question 93 :

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph. A. Shopkeeper: "Here, I have packed them all." B. Mala: "Please give me a packet of balloons, two packets of streamers, and some candles." C. Shopkeeper: "Since we are offering some discount on the balloons, you need to pay only thirty rupees." D. Mala: "How much do I need to pay?"

Difficulty : Moderate

Average Time : 78 Seconds

Options :

1. **BADC**
2. **DABC**
3. **CDAB**
4. **ABCD**

Solution :

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

While arranging the parts of the passage, we should find some grammatical or contextual connections between them. Also, the first sentence of a passage is usually independent and introduces a topic. The second one provides more information about it.

Steps to arrange the sentences in the correct order to form a meaningful and coherent paragraph:

- Sentence B is the independent sentence as it establishes the topic. So, **sentence B** is the first sentence after rearrangement.
- The only option starting with **sentence B** is option 1.
- Thus, the correct order is **option 1** i.e. **BADC**.

The paragraph is: **Mala: "Please give me a packet of balloons, two packets of streamers, and some candles."**
Shopkeeper: "Here, I have packed them all." **Mala: "How much do I need to pay?"** **Shopkeeper: "Since we are**



offering some discount on the balloons, you need to pay only thirty rupees.”

Hence, the correct answer is **Option 3** i.e. **BADC**.

Question 94 :

Select the most appropriate option to fill in the blank. Use your logical thinking for _____ decisions today as you will certainly succeed.

Difficulty : Moderate

Average Time : 86 Seconds

Options :

1. desperate
2. dangerous
3. critical
4. severe

Solution :

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

Let's see the meaning of the given words:

- **Desperate**- feeling or showing a hopeless sense that a situation is so bad as to be impossible to deal with.
- **Dangerous**- able or likely to cause harm or injury.
- **Critical**- having decisive or crucial importance in the success, failure, or existence of something.
- **Severe**- really dreadful or grave.

Hence, from the above meanings '**Critical**' is the most appropriate word as it correctly describes the importance of the noun in the sentence i.e. "**decisions**".

The sentence is: Use your logical thinking for **critical** decisions today as you will certainly succeed.

Hence, the correct answer is **Option 3** i.e. **critical**.

Question 95 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. With magnifying glass, we can observe how minute insects like ants behave.

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. By a magnifying glass



Using magnifying glass

3. No substitution

4. With a magnifying glass

Solution :

The correct answer is **Option 4** i.e. **With a magnifying glass**.

- The underlined part is grammatically incorrect as it is missing an article.
- In the given sentence, we need to use an indefinite article in the underlined part before the gerund magnifying as the specific identity of the 'magnifying glass' is not established.
- We need to use the indefinite article 'a' before the word magnifying since the word magnifying starts with a consonant.

The correct sentence is : **With a magnifying glass** we can observe how minute insects like ants behave.

Hence, the correct answer is **Option 4** i.e. **With a magnifying glass**.

Comprehension :

Directions: 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. Tourism is one (1)_____ the biggest businesses in the world, generating (2)_____ 200 million jobs. It is vital for the economies of (3)_____ countries. The downside is that tourism is a major (4)_____ of climate change through the carbon (5)_____ it causes.

Question 96 :

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

Difficulty : Moderate

Average Time : 84 Seconds

Options :

1. by

2. of

3. at

4. in

Solution :

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



The sentence wants to state that tourism belongs to or is a part of the biggest businesses.

Use of preposition '**of**' :

- Used for belonging to, relating to, or connected with.
- Used to indicate reference.
- Used to indicate an amount or number.

Thus, the blank needs the preposition 'of' which expresses the relationship between a part and a whole.

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

Comprehension :

Directions: 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. Tourism is one (1)_____ the biggest businesses in the world, generating (2)_____ 200 million jobs. It is vital for the economies of (3)_____ countries. The downside is that tourism is a major (4)_____ of climate change through the carbon (5)_____ it causes.

Question 97 :

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

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. at most
2. at least
3. at much
4. at last

Solution :

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

The given blank needs the phrase 'at least' which means not less than; at the minimum.

The sentence wants to state that the minimum amount of jobs created by tourism is 200 million.

Thus, the blank needs the phrase 'at least.'

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

Comprehension :

Directions: 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. Tourism is one (1)_____ the biggest businesses in the world,

generating (2)_____ 200 million jobs. It is vital for the economies of (3)_____ countries. The downside is that tourism is a major (4)_____ of climate change through the carbon (5)_____ it causes.

Question 98 :

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

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. enough
2. many
3. less
4. much

Solution :

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

The given blank needs a determiner to clarify the following noun countries.

Countries is a countable noun and so we need to use the determiner **many** before it.

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

Comprehension :

Directions: 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. Tourism is one (1)_____ the biggest businesses in the world, generating (2)_____ 200 million jobs. It is vital for the economies of (3)_____ countries. The downside is that tourism is a major (4)_____ of climate change through the carbon (5)_____ it causes.

Question 99 :

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

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. contractor
2. revolver
3. quantifier
4. contributor

**Solution :**

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

Let us see the meaning of the given words:

- **Revolver** - a pistol with revolving chambers enabling several shots to be fired without reloading.
- **Contributor** - a person or thing that contributes something.
- **Contractor** - a person or firm that undertakes a contract to provide materials or labour to perform a service or do a job.
- **Quantifier** - an expression (e.g. all, some) that indicates the scope of a term to which it is attached.

The given blank needs a word that would describe the role of tourism with respect to climate change. Thus, **contributor** is the best fit for the given blank.

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

Comprehension :

Directions: 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. Tourism is one (1)_____ the biggest businesses in the world, generating (2)_____ 200 million jobs. It is vital for the economies of (3)_____ countries. The downside is that tourism is a major (4)_____ of climate change through the carbon (5)_____ it causes.

Question 100 :

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

Difficulty : Moderate

Average Time : 86 Seconds

Options :

1. variations
2. options
3. omissions
4. emissions

Solution :

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

Let's see the meaning of the given words:

- **Omissions** - a person or thing that has been left out or excluded.
- **Variations** - a change or slight difference in condition, amount, or level, typically within certain limits.
- **Emissions** - the production and discharge of something, especially gas or radiation.

Options - a thing that is or may be chosen.

The given blank needs a word that would describe the carbon discharge. Thus, '**emissions**' is the best-fit word for the given blank.

Hence, the correct answer is **option 4** i.e. **emissions**.

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2021-08-18 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 Logical Reasoning, 25 questions were asked from General Awareness, 25 questions were asked from Quantitative Aptitude and 25 questions were asked from English Language
4. 22 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 - 5
3. Classification - 3
4. Blood Relations - 1
5. Venn Diagrams - 2
6. Dictionary Based - 1
7. Calendar - 1
8. Figure Based - 5
9. Series - 3
10. Mathematical Reasoning - 1
11. Cubes And Dice - 1

General Awareness

1. History - 3

- Economics - 1
- 3. Science - 5
- 4. Geography - 1
- 5. GK Misc - 15

Quantitative Aptitude

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

English Language

- 1. Parajumbles - 2
- 2. One Word Substitution - 2
- 3. Parts Of Speech - 2
- 4. Sentence Improvement - 2
- 5. Synonym - 1
- 6. Antonym - 1
- 7. Filler (Vocab) - 2
- 8. Incorrectly Spelt - 13
- 9. Incorrectly Spelt - 13

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.

Daily Current Affairs



KD Live is providing [Current Affairs](#) on a daily basis for SSC and a [Current Affairs Quiz](#) too for the practice.

KD Live Free Offerings



KD Live is Offering Every Information and Study Material required for the self study. Please click on the following links for accessing those.

- [Study Plan](#)
- [General Science](#)
- [General Awareness](#)
- [General Knowledge](#)
- [Quantitative Aptitude](#)
- [Logical Reasoning](#)
- [English Language](#)
- [Today In History](#)
- [Syllabus](#)
- [Know Your State](#)
- [Know Your Country](#)
- [Know Your City](#)
- [Know Your Leader](#)
- [Books And Authors](#)
- [Daily Vocabulary](#)
- [Daily Editorial](#)
- [Latest Notifications](#)
- [Exam Dates](#)
- [Admit Card](#)
- [Exam Results](#)
- [Exam Cutoff](#)
- [Exam Eligibility](#)
- [Exam Pattern](#)



[Answer Key](#)
[Important Days](#)

Further Guidance on Ssc Cgl Tier I Previous Year Question Paper

For Asking any query on Ssc Cgl Tier I Previous Year Question Paper please mail [Send Email](#) or you can fill the form at [KD Live](#).

About KD Live

KD live has an expertise in providing apt explanations for the Ssc Cgl Tier I Previous Year Question Paper since 2008. More than 10 lakh aspirants have cleared competitive exams under the guidance of Neetu Mam. Study.kdcampus.live is providing free information on various topics and for the Ssc Cgl Exam you can refer the following link [Click Here](#) however if you want to practice more questions then please refer the following link [Click Here](#).

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.