



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 2021-08-13 in the Morning exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Cgl Tier I exam. There are 100 questions in the exam and 60 minutes are provided for the Ssc Cgl Tier I exam. The Cutoff of the exam was 140 marks hence you should try to score at least 150 marks.

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

Question 1 :

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

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Pigs : Buzz
2. Hares : Boom
3. Ducks : Quack
4. Parrots : Bray

Solution :

The correct answer is **Option 3** i.e. **Ducks : Quack**.

Understanding

The logic used here is:

Horses : Neigh

The sound made by horses is called neigh.

Similarly,

Ducks : Quack

The sound made by ducks is called a quack.

Hence, **Ducks : Quack** is the correct answer.

Question 2 :

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 polygons are angles. All angles are diagonals. All cones are cubes. All cubes are decagons. No diagonal is a cube. Conclusions: I. Some diagonals are polygons. II. All diagonals are decagons. III. No polygon is a cone. IV. Some cubes are angles.

Difficulty : Moderate

Average Time : 71 Seconds

Options :

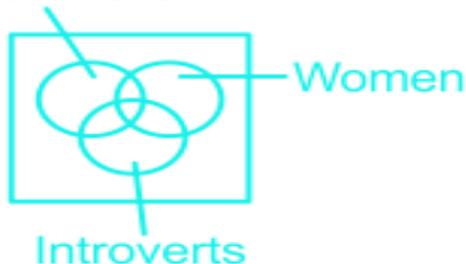
1. Both conclusions II and IV follow
2. Both conclusions I and III follow
3. Both conclusions I and II follow
4. Only conclusion I follows

Solution :

The correct answer is **Option 2** i.e. **Both conclusions I and III follow**.

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

Researchers



Conclusions:

I. Some diagonals are polygons **True** (As all polygons are angles and all angles are diagonals so, some diagonals are polygons.)

II. All diagonals are decagons **False** (It is possible but no definite conclusion can be drawn.)

III. No polygon is a cone **True** (As all polygons are angles, all angles are diagonals, all cones are cube and no diagonal is a cube so, no polygon is a cone.)

IV. Some cubes are angles **False** (All angles are Diagonals and No diagonal is cube so, cube can never have a positive relation with angles)

Hence, **Both conclusions I and III follow.**

Question 3 :

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

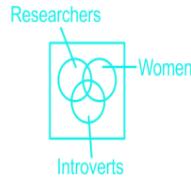
Difficulty : Moderate

Average Time : 84 Seconds

Options :

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

Solution :



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

Understanding

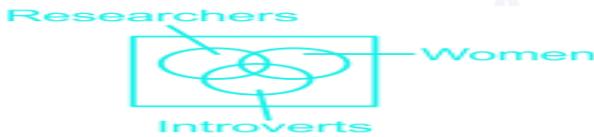
The logic used here is:

The images at the left corner of the figure change their positions by shifting 90 degrees in the clockwise direction.

The image at the topmost right corner moves to the center in the next figure.

The triangle reduces and becomes enlarged in size alternatively.

The series of figures:



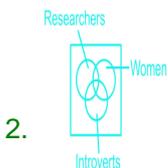
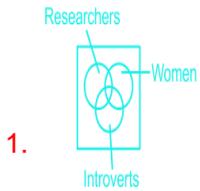
Question 4 :

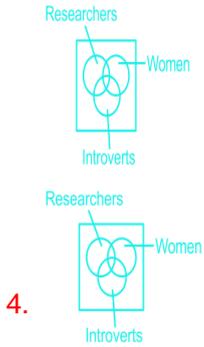
Select the option figure that is embedded in the given figure (rotation is NOT allowed).

Difficulty : Moderate

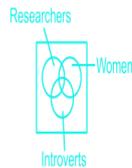
Average Time : 83 Seconds

Options :





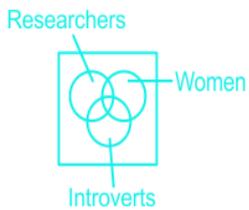
Solution :



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

Understanding

The figure in option 2 is embedded in the given figure, as shown below:



Question 5 :

A cube is made by folding the given sheet. In the cube so formed, what would be the symbol on the opposite side of the # symbol?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. \$
2. +
3. &
4. %

Solution :

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

Understanding

When the open dice is folded to form a closed cube the opposite faces are:

% is opposite to +.

\$ is opposite to @.

& is opposite to #.

The symbol that will be opposite to the symbol # is &.

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

Question 6 :

Select the number from among the given options that can replace the question mark (?) in the following series. 24, 35, 51, 73, 102, ?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 139
2. 151
3. 131
4. 149

Solution :

The correct answer is **Option 1** i.e. **139**.

Understanding

Given series: 24, 35, 51, 73, 102, ?

The series follows the pattern:

$$24 + 11 = 35$$

$$35 + 16 = 51$$

$$51 + 22 = 73$$

$$73 + 29 = 102$$

$$102 + 37 = 139$$

So, the next term in the series is **139**.

Question 7 :

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

12 : 60 :: 16 : ?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 121
2. 210
3. 112
4. 201

Solution :

The correct answer is **Option 3** i.e. **112**.

Understanding

The logic used here is:

12 : 60

$$12 \times ((12 \div 2) - 1) = 60$$

Similarly,

16 : ?

$$16 \times ((16 \div 2) - 1) = 112$$

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

Question 8 :

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. 1. Freeze 2. Freedom 3. Fryer 4. Frozen 5. Fraud 6. Fringe

Difficulty : Moderate

Average Time : 52 Seconds

Options :

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

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

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

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

Solution :

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

In this question, you need to arrange the words in the order in which they appear in an English dictionary.

So the arrangement is;

1. **Fraud**
2. **Freedom**
3. **Freeze**
4. **Fringe**
5. **Frozen**
6. **Fryer**

Hence, the correct answer is **5, 2, 1, 6, 4, 3**.

Question 9 :

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 : 53 Seconds****Options :**

1. FBXT
2. TPLH
3. CYUQ
4. NJFA

Solution :

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

The logic used here is:

1st letter - 4 = 2nd letter

2nd letter - 4 = 3rd letter

3rd letter - 4 = 4th letter

Option 1: FBXT

F - 4 = B

B - 4 = X

X - 4 = T

This follows the logic.

Option 2: TPLH

T - 4 = P

P - 4 = L

L - 4 = H

This follows the logic.



Option 3: CYUQ

$C - 4 = Y$

$Y - 4 = U$

$U - 4 = Q$

This follows the logic.

Option 4: NJFA

$N - 4 = J$

$J - 4 = F$

$F - 4 = B$

This does not follow the logic.

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

Question 10 :

P, L, T, B, N, and D are six members of a business family. N is the son of B, who is not the mother of N. L is the brother of B. D and B are a married couple. T is the daughter of D, who is the sister of P. How is N related to T?

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. Sister
2. Mother
3. Father
4. Brother

Solution :

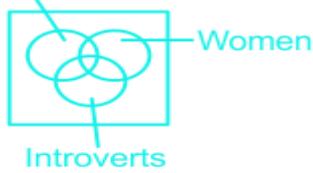
The correct answer is **Option 4** i.e. **Brother**.

Understanding

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.

Researchers



From the above figure, N is the brother of T.

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

Question 11 :

Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation. $42 * 7 * 64 * 11 * 6 * 4$

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. $\div, +, -, \times, =$
2. $\times, +, -, \div, =$
3. $\div, -, +, \times, =$
4. $\times, -, +, \div, =$

Solution :

The correct answer is **Option 1** i.e. $\div, +, -, \times, =$.

Understanding

Given equation: $42 * 7 * 64 * 11 * 6 * 4$

Let us check all the options:

1) $\div, +, -, \times, =$

The expression becomes:

$$= 42 \div 7 + 64 - 11 \times 6 = 4$$

= 4 is equal to 4.

So, there is no need of checking further options.

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

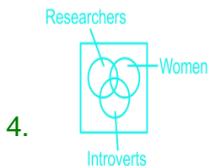
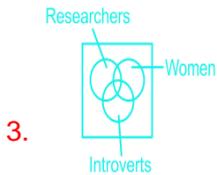
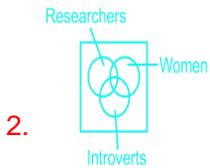
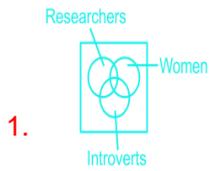
Question 12 :

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?

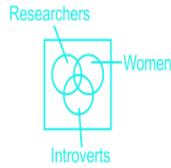
Difficulty : Moderate

Average Time : 61 Seconds

Options :



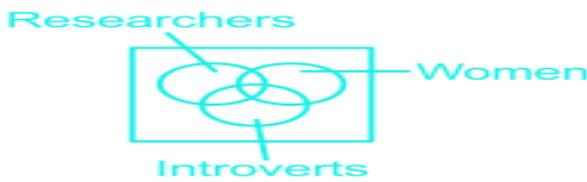
Solution :



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

Understanding

After unfolding, the paper will appear as follows:



Question 13 :

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

Difficulty : Moderate

Average Time : 70 Seconds

Options :

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

Solution :

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



Understanding

The mirror image of the question figure is shown below:



Note: Since the mirror is placed vertically beside the question figure, the image will be formed by inverting the question figure horizontally about the mirror. That means the left side of the figure will become the right side and vice versa.

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

Question 14 :

Out of the total number of players, $100/3\%$ are in hotel X and the remaining are in hotel Y. If 20 players from hotel Y are shifted to hotel X, then the number of players in hotel X becomes 50% of the total number of players. If 20 players from hotel X are shifted to hotel Y, then the number of players in hotel X becomes what percent of the total number of players?

Difficulty : Moderate**Average Time : 99 Seconds****Options :**

1. 16.67%
2. 20.67%
3. 12.75%
4. 26.34%

Solution :

The correct answer is **Option 1** i.e. **16.67%**.

Understanding



The logic used here is:

Let total players = x

Players in hotel X = $100 / 3$ % of $x = x / 3$

Players in hotel Y = $x - x / 3 = 2x / 3$

According to the question;

$$x / 3 + 20 = 50 / 100 \times x$$

$$x = 120$$

Now,

$$\text{Players in hotel X} = 120 / 3 = 40$$

$$\text{Players in hotel Y} = 240 / 3 = 80$$

If 20 players from hotel X are shifted to hotel Y, then the number of players in hotel X = $40 - 20 = 20$

The number of players in hotel X becomes what percent of the total number of players = $20 / 120 \times 100 = 16.67\%$

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

Question 15 :

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

Depression: Mood:: Insomnia:?

Difficulty : Moderate

Average Time : 70 Seconds

Options :

1. Dreams
2. Night
3. Thinking
4. Sleep

Solution :

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

Understanding

The logic used here is:

Depression: Mood::

Depression is a state in which a person suffers from a mood disorder.

Insomnia:?

Insomnia is a sleep disorder.

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

Question 16 :

How many triangles are there in the given figure?

Difficulty : Moderate

Average Time : 49 Seconds

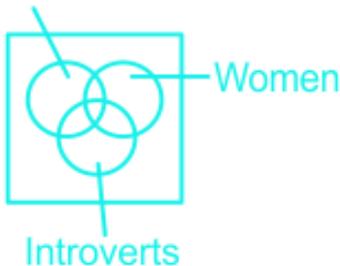
Options :

1. 10
2. 12
3. 11
4. 13

Solution :

The correct answer is **Option 3** i.e. **11**.

Researchers



11 triangles: ACD, CDI, ADI, DKL, DLM, DKM, DHI, DHG, DIG, DEM, AIG.

Question 17 :



Select the letter cluster from among the given options that can replace the question mark (?) in the following series. PNNA, RPPE, TRRI, VTTO, ?

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. YVVU
2. XWWU
3. YUUV
4. XVVU

Solution :

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

Given series: PNNA, RPPE, TRRI, VTTO, ?

The series follows the pattern:

PNNA, RPPE

$P + 2 = R$

$N + 2 = P$

$N + 2 = P$

The next vowel after A = E

Similarly,

VTTO, ?

$V + 2 = X$

$T + 2 = V$

$T + 2 = V$

The next vowel after O = U

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

Question 18 :

Select the Venn diagram that best illustrates the relationship among the following classes. Women, Researchers, Introverts

Difficulty : Moderate

Average Time : 54 Seconds

Options :

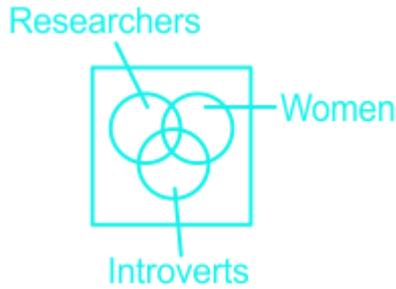
-
-
-
-

Solution :

The correct answer is **Option 1**.

Understanding

The possible Venn diagram is:



Some researchers are introverts. Some researchers are women. Some women are introverts. Some women are researchers.

Hence, the diagram given above shows the best relationship between them.

Question 19 :

Study the given pattern carefully and select the number that can replace the question mark (?) in it. 4 7 6 15 ? 21 44 68 60

Difficulty : Moderate

Average Time : 72 Seconds

Options :

- 1. 18
- 2. 20
- 3. 24
- 4. 19

Solution :

The correct answer is **Option 3** i.e. **24**

The logic used here is:

Column 1:

$$(15 - 4) \times 4 = 44$$

Column 3:

$$(21 - 6) \times 4 = 60$$

Column 2:





$$(x - 7) \times 4 = 68$$

$$(x - 7) = 17$$

$$x = 24$$

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

Question 20 :

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 : 46 Seconds

Options :

1. 12: 156

2. 18: 342

3. 17: 307

4. 14: 210

Solution :

The correct answer is **Option 3** i.e. **17: 307**

The logic used here is:

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

Option 1: 12: 156

$$12 \times (12 + 1) = 12 \times 13 = 156$$

This follows the logic.

Option 2: 18: 342

$$18 \times (18 + 1) = 18 \times 19 = 342$$

This follows the logic.

Option 3: 17: 307

$$17 \times (17 + 1) = 17 \times 18 = 306$$

This does not follow the logic.



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

Question 21 :

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

L UA Z N AP L U PZ

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. N, L, P, A, N, U, Z
2. N, P, L, U, Z, N, A
3. P, L, U, Z, N, A, N
4. P, N, L, Z, U, A, N

Solution :

The correct answer is **Option 2** i.e. **N, P, L, U, Z, N, A**.

The sequence is – K, P, Q, R, D, A, P

Given sequence: L UA Z N AP L U PZ

Option 1: N, L, P, A, N, U, Z

LNUALZPNAAPNLUUZPZ

Option 2: N, P, L, U, Z, N, A

LNUAPZ/ LNUAPZ/LNUAPZ

Option 2 forms a particular pattern. So, there is no need for checking further options.

Hence, **N, P, L, U, Z, N, A** is the correct answer.

Question 22 :

In a certain code language, 'AROUND' is coded as '52182412144', and 'FIX' is coded as '63624'. How will 'PLASTIC' be coded in that language?

Difficulty : Moderate

Average Time : 83 Seconds

Options :

1. 1612522021363
2. 1612261920183

1812521920383

4. 1612521920363

Solution :

The correct answer is **Option 4** i.e. **1612521920363**

The logic used here is:

Consonants are replaced by the same positional value and vowels are replaced by the opposite positional value multiplied by 2.

'AROUND' is coded as '52182412144', and 'FIX' is coded as '63624'

$$A = 26 \times 2 = 52$$

$$R = 18$$

$$O = 12 \times 2 = 24$$

$$U = 6 \times 2 = 12$$

$$N = 14$$

$$D = 4$$

$$F = 6$$

$$I = 18 \times 2 = 36$$

$$X = 24$$

Similarly,

Code for the word PLASTIC:

$$P = 16$$

$$L = 12$$

$$A = 26 \times 2 = 52$$

$$S = 19$$

$$T = 20$$

$$I = 18 \times 2 = 36$$

$$C = 3$$



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

Question 23 :

Select the option in which the numbers are related in the same way as are the numbers of the following set. (25, 18, 225)

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. (24, 22, 264)
2. (17, 15, 220)
3. (9, 16, 170)
4. (15, 34, 190)

Solution :

The correct answer is **Option 1** i.e. (24, 22, 264)

The logic used here is:

(25, 18, 225)

$$25 \times 18 = 450 \div 2 = 225$$

Similarly,

(24, 22, 264)

$$24 \times 22 = 528 \div 2 = 264$$

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

Question 24 :

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 : 42 Seconds

Options :

1. Intelligence
2. Aptitude
3. Weight



Memory

Solution :

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

The logic used here is:

Intelligence means the ability to acquire and apply knowledge and skills.

Aptitude means a natural ability to do something.

Memory means the faculty by which the mind stores and remembers information.

Weight means a body's relative mass.

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

Question 25 :

In a certain code language, 'PERMIT' is written as 'VVLNOG'. How will 'INERTIA' be written in that language?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. OMYIZRU
2. XOYHCZU
3. XYOHBCU
4. OHYXZCU

Solution :

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

The logic used here is:

'PERMIT' is written as 'VVLNOG'

$P + 6 = V$

Opposite of E = V

$R - 6 = L$

Opposite of M = N

$I + 6 = O$

Opposite of T = G

Similarly,

Code for the word INERTIA:

I + 6 = O

Opposite of N = M

E - 6 = Y

Opposite of R = I

T + 6 = Z

Opposite of I = R

A - 6 = U

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

Question 26 :

Which of the following statements about Swami Dayanand Saraswati is INCORRECT?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. His birthplace was Gujarat
2. He authored the book 'Satyarth Prakash'.
3. He was the founder of Brahma Samaj.
4. He was the founder of Arya Samaj

Solution :

The correct answer is **option 3** i.e. **He was the founder of Brahma Samaj.**

- Swami Dayanand Saraswati was an Indian philosopher, social leader and the founder of the Arya Samaj, a reform movement of the Vedic dharma, and he was the first to give the call for Swaraj as "India for Indian" in 1876.
- On the other hand, the founder of the Brahma Samaj was Raja Ram Mohan Roy.

Question 27 :

Who among the following is a Padma Vibhushan awardee of 2021?

Difficulty : Moderate

Average Time : 53 Seconds



Options :

1. Tarlochan Singh
2. Mouma Das
3. Sudarshan Sahoo
4. Sumitra Mahajan

Solution :

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

- Veteran sculptor **Sudarshan Sahoo** was conferred with the Padma Vibushan, the second-highest civilian award in 2021 by President Ram Nath Govind.
- He was conferred for his distinguished work in the field of art.

Question 28 :

Who among the following was one of the founders of the Hindustan Republic Association?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Ram Prasad Bismil
2. Lala Lajpat Rai
3. Jatindranath Mukherjee
4. Surya Sen

Solution :

The correct answer is **option 1** i.e. **Ram Prasad Bismil**.

- The Hindustan Socialist Republican Association was a revolutionary party set up by **Ram Prasad Bismil** and his associates to rebel against British colonial rule in India and achieve independence for the country through an armed rebellion if necessary.
- The main reason for the party's formation was Mahatma Gandhi's calling off the non-cooperation movement in 1922, because of the Chauri Chaura incident.

Question 29 :

In which of the following years was the Second Round Table Conference in London held?

Difficulty : Moderate

Average Time : 52 Seconds

Options :



1925

2. 1939

3. 1931

4. 1941

Solution :

The correct answer is **option 3** i.e. **1931**.

- The Second Round Table Conference took place in the year **1931**, in order to overcome the ineffectiveness of the First Round Table Conference.
- It was held in London along with the active participation of Gandhi and the Indian National Congress.

Question 30 :

In which of the following years was the Planning Commission of India set up?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. 1962

2. 1950

3. 1958

4. 1945

Solution :

The correct answer is **option 2** i.e. **1950**.

- The Planning Commission, an agency of the government of India, was established in the year **1950**, to oversee the country's economic and social development, chiefly through the formulation of Five-year plans.
- It was however, dissolved on 13 August, 2014 and replaced by NITI Aayog.

Question 31 :

As per the Union Budget of 2021-22, how many regional national institutes of virology will be set up?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. Four



Two

3. Three

4. Six

Solution :

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

- As per the Union Budget of 2021-22, the central government has announced the setting up of **four regional institutes of virology**.
- Region NIV will help in efficiently countering the threats of viral pandemics/epidemics in the future.

Question 32 :

Electron-volt is a unit of _____.

Difficulty : Moderate

Average Time : 41 Seconds

Options :

1. Energy
2. Power
3. Current
4. Potential difference

Solution :

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

- An Electron-volt is a unit of **energy**.
- It is commonly used in atomic and nuclear physics, equal to the energy gained by an electron (a charged particle carrying unit electronic charge) when the electrical potential at the electron increases by a volt.

Question 33 :

Who among the following was elected as the President of Veterinary Council of India in January 2021?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. KK Verma
2. Dipankar Seth



Umesh Sharma

4. Rajeev Arora

Solution :

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

- **Veterinarian Dr. Umesh Sharma**, who hails from Madhya Pradesh, has been elected as the President of the Veterinary Council of India.
- He was elected unanimously in the meeting held at New Delhi.

Question 34 :

Which of the following places is famous for a copper mine?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Gaya
2. Keonjhar
3. Khetri
4. Satna

Solution :

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

- **Khetri** is situated in the foothills of the Aravali Ranges.
- Khetri Nagar is also well known with its name of 'Copper.'
- Khetri Nagar is a well known copper project, built by and is under the control of Hindustan Copper Limited, which is a public sector undertaking the Government of India.

Question 35 :

_____ is the structural and functional unit of the kidney.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Medulla
2. Ureter

Cortex

4. Nephron

Solution :

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

- The **nephron** is the structural and functional unit of the kidney.
- The principal task of the nephron population is to balance the plasma to homeostatic set points and excrete potential toxins in the urine.
- They do this by accomplishing three principal functions i.e. filtration, reabsorption and secretion.

Question 36 :

Unique Transaction Reference number is a _____ character code used to uniquely identify a transaction in the RTGS system.

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 45
2. 22
3. 34
4. 17

Solution :

The correct answer is **option 2** i.e. **22**.

- A UTR or Unique Transaction Reference number is a reference number having **22 character codes** for identifying a NEFT, IMPS or RTGS transaction.
- A UTR number is used by every bank in India for all local modes of money transfer and this is beneficial for recipients in case there has been no recent update or credit corresponding to one's transaction.

Question 37 :

Gurdwara Patalpuri Sahib is located on the bank of river _____.

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. Ganga



Beas

3. Yamuna

4. Sutlej

Solution :

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

- Gurudwara Patal Puri is located in the Rupnagar district in Punjab and is built on the banks of the **river Sutlej**.
- It is situated across the railway tracks and is the place where many Sikhs take the ashes of their dead to be immersed in the river here.
- Guru Hargobind in 1644 as well as Guru Har Rai in 1661 were cremated here.

Question 38 :

Who among the following won the '3rd Rabindranath Tagore Literary Prize' for his novel 'The City and The Sea' in December 2020?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Shekhar Gupta
2. Rajdeep Sardesai
3. Siddhartha Sarma
4. Raj Kamal Jha

Solution :

The correct answer is **option 4** i.e. **Raj Kamal Jha**.

- **Raj Kamal Jha**, a journalist and an author, has won the 3rd Rabindranath Tagore Literary Prize for his novel "The City and the Sea".
- Jha's book, which is based on the December 2012 Nirbhaya rape and murder case, was chosen from ten shortlisted books including Amitav Ghosh's Gun Island, Nirmla Govindarajan's Taboo and Ranjit Hoskote's Jonahwhale.

Question 39 :

Which of the following has the same dimension as that of linear momentum?

Difficulty : Moderate

Average Time : 51 Seconds

Options :



Work

2. Energy

3. Impulse

4. Stress

Solution :

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

- The dimension of Linear momentum is the same as that of **Impulse**.
- Impulse refers to the force that changes the momentum of a body. On the other hand, linear momentum is defined as the product of the mass(m) of an object and the velocity(v) of the object.

Question 40 :

In December 2020, the Ministry of Home Affairs declared the entire State of _____ as a 'disturbed area' for six more months under the Armed Forces (Special Powers) Act, 1958 (AFSPA).

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Punjab
2. Jharkhand
3. Nagaland
4. West Bengal

Solution :

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

- The Ministry of Home Affairs had declared the entire state of **Nagaland** as 'disturbed area' for six more months under the Armed Forces (Special Powers) Act.
- This enabled the continuation of the controversial AFSPA which empowers security forces to conduct operations anywhere and arrest anyone without any prior warrant.

Question 41 :

For which of the following franchise teams did AB de Villiers play in IPL 2020?

Difficulty : Moderate

Average Time : 47 Seconds

Options :



- Delhi Capitals
- Kolkata Knight Riders
- Mumbai Indians
- Royal Challengers Bangalore

Solution :

The correct answer is **option 4** i.e. **Royal Challengers Bangalore**.

- The AB de Villiers played for the **Royal Challengers Bangalore** team during the 2020 IPL.
- In starting he used to play for Delhi Daredevils but was bought by Royal Challengers Bangalore in the fourth season.

Question 42 :

In Leh, the first ever ice climbing festival was celebrated in _____ valley in January 2021.

Difficulty : Moderate

Average Time : 45 Seconds

Options :

- Dras
- Ripchar
- Markha
- Nubra

Solution :

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

- The first ever ice climbing festival in Leh was celebrated in the **Nubra valley**.
- It was a seven day event organised by Nubra Adventure Club in an effort to promote winter tourism in Nubra valley.
- In the ice climbing event, 18 participants across Nubra valley, including women have taken part.

Question 43 :

Which of the following is a process in which hot, less dense materials rise upward and are replaced by colder, more dense materials?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

- Conduction



Radiation

3. Condensation

4. Convection

Solution :

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

- **Convection** is a process in which heat is transferred from a solid surface to a nonsolid, such as air or water.
- This process involves the motion of the fluid relative to the solid surface and the processes by which heat is transferred across the interface.

Question 44 :

Baghmara Pitcher Plant Sanctuary is located in which of the following states?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Assam
2. Goa
3. Karnataka
4. Meghalaya

Solution :

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

- The Baghmara Pitcher Plant Sanctuary is situated in the South Garo Hills district in the state of **Meghalaya**.
- The pitcher plant is a rare carnivorous plant that attracts small insects with its nectar and traps them with its outer leaf covering. It is found only in South Garo Hills, Balpakram and Badgmara.

Question 45 :

Who among the following replaced Morarji Desai as the Prime Minister of India in 1979?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Chandrasekhar
2. Jagjivan Ram



Charan Singh

4. Devi Lal

Solution :

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

- **Charan Singh** became the prime minister in 1979 by replacing the then prime minister Morarji Desai.
- He served as the 5th Prime Minister of India between 28 July 1979 and 14 January 1980.

Question 46 :

Which of the following schemes is aimed at helping accelerate the uptake of broadband internet services?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. PM-INTERNET
2. PM-WANI
3. PM-DHWANI
4. PM-VAARTA

Solution :

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

- The **PM-WANI scheme**, which was announced by the Department of Telecommunications, aims to increase internet connectivity across the country by implementing a decentralised system of public access points, by setting up Public Wi-Fi Networks by Public Data Office Aggregators(PDOAs) to provide WiFi services through Public Data Offices(PDOs).

Question 47 :

Which of the following is the application of sciences such as physics, chemistry, biology, computer science and engineering to matters of law and to the identification of various facts of civilian investigation?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Kalology
2. Morphology
3. Forensic science



Psychology

Solution :

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

- **Forensic science** is the use of scientific methods or expertise to investigate crimes or examine evidence that might be presented in a court of law.
- Forensic sciences comprises a diverse array of disciplines, from fingerprint and DNA analysis to anthropology and wildlife forensics.

Question 48 :

Who won the Toyota Thailand Open Women's Singles Title in Bangkok in January 2021?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Tai Tzu-ying
2. Ashwini Ponnappa
3. Carolina Marin
4. PV Sindhu

Solution :

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

- **Carolina Marin** from Spain, won the Toyota Thailand Open Women's Singles Title in Bangkok in January 2021.
- Marin is the second female badminton athlete to have won three women's singles World Champion titles after Han Aiping of China.

Question 49 :

Which of the following is NOT a town/city on the west coast of India?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Karwar
2. Gopalpur
3. Mangalore
4. Surat

**Solution :**

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

- Among the following, Gopalpur is not a city/town on the west coast of India.
- **Gopalpur** is a coastal town as well as a Notified Area Council on the Bay of Bengal coast in Ganjam district, Odisha. It is now a commercial port, a famous sea beach and a tourist destination.

Question 50 :

Who among the following had written Kitab-ul-Hind that gave an incisive description of early 11th Century India?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. Al-Khwarizmi
2. Al-Biruni
3. Al-Kindi
4. Al-Bukhari

Solution :

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

- The book 'Kitab ul Hind' was authored by **Al-Biruni**.
- The book was written in Arabic language and gives a description of India ranging from various areas such as the political condition, social condition, religious and Indian philosophy.
- It also deals with subjects such as astronomy, religion, festivals, alchemy manners and customs, social life, weights and measures, laws and metrology etc.

Question 51 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. While washing your hands, rub them together for 20 seconds to remove the microbes on them.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. the microbes on those
2. the microbes on they
3. the microbes on their



No substitution

Solution :

The correct answer is **Option 4** i.e. **No substitution**.

In the given sentence, there is no need to substitute as the sentence is grammatically as well as contextually correct.

- Article '**the**' is used **to refer to specific or particular nouns**. It has been correctly used in the sentence.
- In the given sentence preposition '**on**' is correctly used as it used to indicate a place of position. The preposition '**on**' is:
 - Used to express a surface of something.
 - Used to specify days and dates.
 - Used to indicate a device or machine, such as a phone or computer.
 - Used to indicate a part of the body.
 - Used to indicate the state of something.
- Pronoun '**them**' is always used in place of plural noun i.e. '**hands**' in the given sentence.

Hence, the correct answer is **Option 4** i.e. **No substitution**.

Question 52 :

Select the option that expresses the given sentence in passive voice. The invigilator is advising the students not to carry calculators into the examination hall.

Difficulty : Moderate

Average Time : 84 Seconds

Options :

1. The students were advised not to carry calculators into the examination hall.
2. The students are being advised by the invigilator not to carry calculators into the examination hall.
3. The students have been advised not to carry calculators into the examination hall by the invigilator
4. The students were advised the invigilator not to carry calculators into the examination hall.

Solution :

The correct answer is **Option 2** i.e. **The students are being advised by the invigilator not to carry calculators into the examination hall**.

Active form: The invigilator is advising the students not to carry calculators into the examination hall.

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.
- Use the suitable helping or auxiliary verb (is/am/are/was, etc.).

Now, the given sentence is in present continuous tense. When the active form is in "**is+V₁+ing**" from then the passive voice should follow the format "**are + being + V₃**" from.

The passive form will be: **The students are being advised by the invigilator not to carry calculators into the examination hall.**

Hence, the correct answer is **Option 2** i.e. **The students are being advised by the invigilator not to carry calculators into the examination hall.**

Question 53 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 104 Seconds

Options :

1. Voilence
2. Exterminated
3. Wildernesses
4. Unmanageable

Solution :

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

- The correctly spelt word is '**Violence**' which means '**extremely forceful actions that are intended to hurt people or are likely to cause damage**'.

For example: *She was concerned about the amount of violence on television.*

All the words, except that given in option 1, are correctly spelt.

Let's have a look at the meaning of the other words:

- **Exterminated**- to kill all the animals or people in a particular place or of a particular type.
- **Wilderness**- an outside area in which plants are left to grow naturally or untidily.
- **Unmanageable**- impossible to deal with or manage.



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

Question 54 :

Select the option that expresses the given sentence in indirect speech. "Everything is going to be alright," said the doctor.

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. The doctor said that everything is going to be alright.
2. The doctor said that everything are going to be alright.
3. The doctor said that everything was going to be alright.
4. The doctor said that everything will be alright.

Solution :

The correct answer is **Option 3** i.e. **The doctor said that everything was going to be alright**.

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.
- If the reporting speech is in present continuous tense, it will be changed to past continuous tense.

After following these steps, we got the indirect speech as:**The doctor said that everything was going to be alright**.

Hence, the correct answer is **Option 3** i.e. **The doctor said that everything was going to be alright**.

Question 55 :

Select the option that can be used as a one-word substitute for the given group of words. A herd or flock of animals being driven in a body

Difficulty : Moderate

Average Time : 76 Seconds

Options :

1. Drove
2. Crowd
3. Cluster
4. Throng

Solution :



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

- The word '**Drove**' means '**a large group of animals, especially cattle or sheep, moving from one place to another**'.

Let's see the meaning of the other words:

- **Crowd**: a large group of people who have come together.
- **Cluster**: a group of similar things that are close together, sometimes surrounding something.
- **Throng**: a crowd or large group of people.

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

Question 56 :

Select the most appropriate ANTONYM of the given word. Gradual

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Gentle
2. Abrupt
3. Regular
4. Slow

Solution :

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

- The word '**Gradual**' means '**happening or changing slowly over a long period of time or distance**'.

For example: *There has been a gradual improvement in our sales figures over the last two years.*

- The most appropriate antonym of the given word is '**Abrupt**' which means '**sudden and not expected, often with unpleasant results**'.

Let's see the meaning of the given words:

- **Gentle**: calm, kind, or soft; not violent or severe.
- **Regular**: happening or doing something often; existing or happening repeatedly in a fixed pattern, with equal or similar amounts of space or time between one and the next; even.
- **Slow**: moving, happening, or doing something without much speed.

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

Question 57 :



Select the most appropriate option to fill in the blank. India is formally moving ahead to _____ 21 MIG-29 and 12 Sukhoi-30MKI fighters from Russia along with upgrades of their existing fleets.

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. advance
2. accomplish
3. achieve
4. procure

Solution :

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

- The word '*procure*' means '*to obtain something, esp. after an effort*'.
- The given sentence talks about the obtaining of fighter jets along with upgrades of their existing fleets by India from Russia.
- So, in the given sentence, the word '**procure**' fits best.

Let's see the meaning of other words:

- **Advance**: to go or move something forward, or to develop or improve something.
- **Accomplish**: to finish something successfully or to achieve something.
- **Achieve**: to succeed in finishing something or reaching an aim, especially after a lot of work or effort.

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

Question 58 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. Had you / not reached in time, / we will have / lost our lives.

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. not reached in time
2. Had you
3. lost our lives
4. we will have

**Solution :**

The correct answer is **Option 4** i.e. **we will have**.

- The given sentence is an example of third conditional sentence.
- Third conditional sentences are used to explain that present circumstances would be different if something different had happened in the past. We talk about a condition in the past that did **not** happen. That is why there is no possibility for this condition.
 - **Example:** If she **had studied**, she **would have passed** the exam.
- These are all conditions that were likely, but regrettably did not happen.
- The following rules are being followed while writing a third conditional sentence:
 - We use the **past perfect i.e., had + past participle** after **If**.
 - Next, the **modal auxiliary** (would, could, should, etc.) + **have + past participle** in the second part of the sentence is used.

Thus, the correct sentence will be:-

Had you not reached in time, we would have lost our lives.

Hence, the correct answer is **Option 4** i.e. **we will have**.

Question 59 :

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. You must avoid riding in a crowded bus / or travelling in a metro / during rush hour / as both are quiet unpleasant experiences.

Difficulty : Moderate

Average Time : 98 Seconds

Options :

1. during rush hour
2. or travelling in a metro
3. You must avoid riding in a crowded bus
4. as both are quiet unpleasant experiences

Solution :

The correct answer is **Option 4** i.e. **as both are quiet unpleasant experiences**.

- The error lies in the option 4 due to the wrong usage of word '**quiet**'.
- The word 'quiet' should be replaced with '**quite**' to make the sentence meaningful.
 - **Quiet** is the state of there being very little or no or sound; silence; not loud.
 - Whereas, **Quite** means almost completely — near to whole.



According to the sentence, 'you would get very bad experiences if you travel in metro and bus during rush hour. So, during rush hour, you should avoid it'.

The correct sentence will be:-

"You must avoid riding in a crowded bus or travelling in a metro during rush hour as both are quite unpleasant experiences."

Hence, the correct answer is **Option 4** i.e. **as both are quiet unpleasant experiences.**

Question 60 :

Select the most appropriate meaning of the given idiom. Bang for the buck

Difficulty : Moderate

Average Time : 82 Seconds

Options :

1. More value for money
2. Less value for money
3. A sorrowful heart
4. Dash against something

Solution :

The correct answer is **Option 1** i.e. **More value for money.**

- The idiom "**Bang for the buck**" means "**a bigger quantity or better quality of something for the same amount of money**".

For example: *They're very careful when they spend money, and they're going to insist on getting the most **bang for their buck**.*

Hence, the correct answer is **Option 1** i.e. **More value for money.**

Question 61 :

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. But the eagle, in wrath, gave the beetle a flap of his wing, and straightaway seized upon the hare and devoured him. B. The beetle therefore interceded with the eagle, begging of him not to kill the poor suppliant, and pleaded with him not to kill so small an animal. C. When the eagle flew away, the beetle flew after him, to learn where his nest was. D. A hare, being pursued by an eagle, took himself for refuge to the nest of a beetle, whom he begged to save him.



Difficulty : Moderate

Average Time : 85 Seconds

Options :

1. CBAD
2. DBAC
3. DCAB
4. ACDB

Solution :

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

- We know that the first sentence of a passage is independent sentence. The subsequent one gives more data about it. **Statement D** is the introductory statement as it is clueing about the topic of the whole narration. The story revolves around "a hare, an eagle and a beetle".
- Since, hare pleaded the beetle to save him, beetle intercepted with the eagle and begged him to not to eat the hare. So, **statement B** will follow **statement D**.
- But, neglecting the beetle, the eagle seized and devoured the hare. So, **statement A** will follow **statement B**.
- And, the concluding statement will be **statement C**.
- Thus, the correct sequence is **DBAC**.

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

Question 62 :

Select the most appropriate meaning of the given idiom. Raise the bar

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. To grow taller
2. To win a competition
3. To raise the price
4. To set higher goals

Solution :

The correct answer is **Option 4** i.e. **To set higher goals**.

- The idiom "**To raise the bar**" means "**to be better than what went before; to raise standards or expectations; to set higher rules/goals; to make something harder**".



For example: *It's such a struggle to get anywhere at work. Just imagine you have achieved something, and the boss **raises the bar** again.*

Hence, the correct answer is **Option 4** i.e. **To set higher goals.**

Question 63 :

Select the option that can be used as a one-word substitute for the given group of words. A group of three novels or plays, each complete in itself

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Triplet
2. Trivet
3. Triumvir
4. Trilogy

Solution :

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

- The word '**Trilogy**' means '**a group of three novels, plays, etc. that form a set**'.

Let's see the meaning of the other words:

- **Triplet**: one of three children or animals that are born to one mother at the same time.
- **Trivet**: a metal stand that you put on a table to protect its surface from hot dishes or pans.
- **Triumvir**: each of three public officers jointly responsible for overseeing any of the administrative departments.

Hence, correct answer is **Option 4** i.e. **Trilogy.**

Question 64 :

Select the most appropriate option to fill in the blank. Work and domestic _____ made Kajal short-tempered.

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. weights
2. gravities
3. pressures



forces

Solution :

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

- The word '**pressures**' means '**a difficult situation that makes you feel worried or unhappy; to strongly persuade someone to do something they do not want to do**'.
- The given sentence talks about the ill-effects of work pressure and domestic pressure on Kajal.
- So, in the given sentence, the word '**pressures**' fits best.

Let's see the meaning of the other words:

- **Weights:** to fasten something heavy to something.
- **Gravities:** seriousness or importance, esp as a consequence of an action or opinion.
- **Forces:** to make something happen or make someone do something difficult, unpleasant, or unusual, especially by threatening or not offering the possibility of choice.

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

Question 65 :

Select the most appropriate synonym of the given word. Regime

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. Country
2. Space
3. Territory
4. Rule

Solution :

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

- The word '**Regime**' means '**a particular government, or a system or method of government; a particular way of operating or organizing a system, an economy, etc.**'.
- The most appropriate synonym of the given word is '**Rule**' which means '**to control or be the person in charge of something such as a country**'.

Let's see the meaning of the given words:

- **Country:** an area of land that forms an independent political unit with its own government; a nation considered



especially as a place.

- **Space:** an empty area that is available to be used.
- **Territory:** (an area of) land, or sometimes sea, that is considered as belonging to or connected with a particular country or person.

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

Question 66 :

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. When we got near, we saw it was the steam rising from hot springs. B. We saw in the distance a great column of smoke. C. We wondered if it came from a chimney or a burning house. D. We thought of taking a bath in the hot water.

Difficulty : Moderate

Average Time : 91 Seconds

Options :

1. ACDB
2. ABCD
3. BCAD
4. BCDA

Solution :

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

- The passage revolves around 'column of smoke' that they saw in a distance.
- The first sentence of a passage is independent sentence. The subsequent one gives more data about it. So, the introductory line would be **statement B** which is an independent sentence.
- **Statement C** seems to have a conjunction with **sentence B** because when they saw the smoke they wondered if it came from a chimney but actually it was steam rising from hot water springs. This gives us the pair **C and A** and **statement C** will be followed by **statement B**.
- After they saw hot spring they thought of taking a bath in it. So, **D** will be the concluding statement.
- Thus, the correct sequence is **BCAD**.

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

Question 67 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. The toy drummer plays the drum if you press the button at the back.

Difficulty : Moderate

Average Time : 84 Seconds



Options :

1. No substitution
2. will play the drum if you will press
3. playing the drum if you pressed
4. played the drum if you are pressing

Solution :

The correct answer is **Option 1** i.e. **No substitution**.

In the given sentence, there is no need to substitute as the sentence is grammatically as well as contextually correct.

- In the given sentence, subject verb agreement is being followed between the singular subject '**the toy drummer**' and the singular verb '**plays**'.
- Secondly, the simple present tense in the if-clause is correctly used.

Hence, the correct answer is **Option 1** i.e. **No substitution**.

Question 68 :

Select the most appropriate synonym of the given word. Generic

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Definite
2. Specific
3. Precise
4. Universal

Solution :

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

- The word '**Generic**' means '**relating to or shared by a whole group of similar things; not specific to any particular thing**'.
- The most appropriate synonym of the given word is '**Universal**' which means '**relating to or done by all people or things in the world; applicable to all cases; existing everywhere or involving everyone**'.

Let's see the meaning of the other words:

- **Definite**: fixed, certain, or clear.

Specific: relating to one thing and not others.

- **Precise:** exact and accurate.

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

Question 69 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. Creature
2. Specified
3. Decrease
4. Pieceful

Solution :

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

The correctly spelt word is '**Peaceful**' which means '**without violence; quiet and calm**'.

For example: *She hoped the different ethnic groups in the area could live together in peaceful co-existence.*

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

Question 70 :

Select the most appropriate ANTONYM of the given word. Seize

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Grab
2. Loosen
3. Snatch
4. Catch

Solution :

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

- The word '**seize**' means '**to take hold of something suddenly and firmly**'.

For example: *seized his arm and made him turn to look at me.*

- The most appropriate antonym of the given word is '**Loosen**' which means '**to become or make something less firmly fixed**'.

Let's see the meaning of the other words:

- **Grab**: to take hold of something or someone suddenly and roughly.
- **Snatch**: to take hold of something suddenly and roughly.
- **Catch**: to take hold of something, especially something that is moving through the air.

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. What every tourist must take back from Bhutan is pure honey, especially Putka, "Antibiotic" honey produced (1)_____ Melipona Bees (stingless bees) a breed found in protected areas (2)_____ 700 to 1,500 metres above sea level. Due (3)_____ their small size, they can get larger nutrients (4)_____ regular honeybees. It has a tangy/sour taste and can (5)_____ your sore throat in a matter of minutes.

Question 71 :

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

Difficulty : Moderate

Average Time : 95 Seconds

Options :

1. through
2. with
3. of
4. by

Solution :

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

- In the given sentence having blank no. (1), we are required to fill the preposition which indicate the Melipona Bees that does something in a passive voice sentence i.e. producing antibiotic honey.
- So, the correct preposition for blank no. (1) is '**by**'.
- Use of preposition '**by**':
 - **Used to indicate proximity:**

For example: *He was standing by me.*

- **Used to indicate the person that does something in a passive voice sentence:**

For example: *The microwave was fixed by the mechanic.*

- **Used to indicate an action with a particular purpose:**

For example: *I expressed my feeling toward her by writing a letter.*

- **Used to indicate a mean or method:**

For example: *Please send this package to Russia by airmail.*

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. What every tourist must take back from Bhutan is pure honey, especially Putka, "Antibiotic" honey produced (1)_____ Melipona Bees (stingless bees) a breed found in protected areas (2)_____ 700 to 1,500 metres above sea level. Due (3)_____ their small size, they can get larger nutrients (4)_____ regular honeybees. It has a tangy/sour taste and can (5)_____ your sore throat in a matter of minutes.

Question 72 :

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

Difficulty : Moderate

Average Time : 103 Seconds

Options :

1. between
2. after
3. midst
4. among

Solution :

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

- In the given sentence having blank no. (2), we are required to fill the preposition which can connect the numbers i.e. 700 to 1,500 metres above the sea level, where Melipona Bees are found.
- So, the correct preposition for blank no. (2) is '**between**'.
- Use of preposition '**between**':
 - **used to introduce a prepositional phrase which contains two singular or plural noun phrases:**
For example: *There was a cyclist between the car and the lorry.*
 - **used to connect times or numbers:**
For example: *They lived in New York between 1998 and 2004.*



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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. What every tourist must take back from Bhutan is pure honey, especially Putka, "Antibiotic" honey produced (1)_____ Melipona Bees (stingless bees) a breed found in protected areas (2)_____ 700 to 1,500 metres above sea level. Due (3)_____ their small size, they can get larger nutrients (4)_____ regular honeybees. It has a tangy/sour taste and can (5)_____ your sore throat in a matter of minutes.

Question 73 :

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

Difficulty : Moderate

Average Time : 92 Seconds

Options :

1. to
2. for
3. of
4. at

Solution :

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

- In the given sentence having blank no. (3), we are required to fill the preposition which shall indicate the size of the Melipona Bees which are smaller in size than the regular bees.
- So, the correct preposition for blank no. (3) is 'to'.
- Use of preposition 'to':
 - **Used to indicate the place, person, or thing that someone or something moves toward, or the direction of something:**
For example: *The package was mailed to Mr. Kim yesterday.*
 - **Used to indicate a limit or an ending point:**
For example: *The stock prices rose up to 100 dollars.*
 - **Used to indicate relationship:**
For example: *My answer to your question is in this envelop.*

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. What every tourist must take back from Bhutan is pure honey, especially



Putka, "Antibiotic" honey produced (1)_____ Melipona Bees (stingless bees) a breed found in protected areas (2)_____ 700 to 1,500 metres above sea level. Due (3)_____ their small size, they can get larger nutrients (4)_____ regular honeybees. It has a tangy/sour taste and can (5)_____ your sore throat in a matter of minutes.

Question 74 :

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

Difficulty : Moderate

Average Time : 97 Seconds

Options :

1. then
2. through
3. than
4. and

Solution :

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

- In the given sentence having blank no. (4), we are required to fill the preposition which can make a comparison between the Melipona Bees, which are smaller in size as compared to regular honeybees.
- So, the correct preposition for blank no. (4) is '**than**'.
- Use of preposition '**than**':
 - **Used to make comparisons as in the following sentences:**
For example: *I like cake better than pie.*

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

Comprehension :

In the following passage, some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank. What every tourist must take back from Bhutan is pure honey, especially Putka, "Antibiotic" honey produced (1)_____ Melipona Bees (stingless bees) a breed found in protected areas (2)_____ 700 to 1,500 metres above sea level. Due (3)_____ their small size, they can get larger nutrients (4)_____ regular honeybees. It has a tangy/sour taste and can (5)_____ your sore throat in a matter of minutes.

Question 75 :

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

Difficulty : Moderate

Average Time : 83 Seconds

Options :



soothe

2. pacify
3. appease
4. calm

Solution :

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

- After reading the sentence having blank no. (5), we understand that the sentence is talking about the positive effect of antibiotic honey produced by Melipona Bees which can help your throat become less painful in a matter of minutes.
- So the most appropriate verb for the blank no. (5) is **soothe**.
- The word '**soothe**' when used as a verb means '**to make a part of the body less painful**'.

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

Question 76 :

Study the following table and answer the question: Number of cars sold by dealers A, B, C, D & E during 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 The ratio of the total number of cars sold by dealer B in January, April and June to the total number of cars sold by dealers A and D in March is:

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. 8 : 9
2. 4 : 3
3. 10 : 9
4. 7 : 5

Solution :

The correct answer is **option 2** i.e. **4 : 3**

The total number of cars sold by dealer B in January, April, and June = $600 + 580 + 620$

1800

The total number of cars sold by dealers A and D in March = $628 + 722$



1350

 $1800 : 1350 = 4 : 3$ **Question 77 :**

Let $\triangle ABC \sim \triangle PQR$ and $\frac{ar(\triangle ABC)}{ar(\triangle PQR)} = \frac{144}{49}$. If $AB = 12$ cm, $BC = 7$ cm and $AC = 9$ cm, then PR (in cm) is equal to:

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

1. $\frac{49}{12}$
2. $\frac{108}{7}$
3. $\frac{21}{4}$
4. 12

Solution :

The correct answer is **option 3** i.e. $\frac{21}{4}$

Given :

$$\triangle ABC \sim \triangle PQR \text{ and } \frac{ar(\triangle ABC)}{ar(\triangle PQR)} = \frac{144}{49}$$

$AB = 12$ cm, $BC = 7$ cm and $AC = 9$ cm

Concept used :

Similarity of triangles

$$\frac{ar(\triangle ABC)}{ar(\triangle PQR)} = \left(\frac{AB}{PQ}\right)^2 = \left(\frac{BC}{QR}\right)^2 = \left(\frac{AC}{PR}\right)^2 \quad \text{----- (1)}$$

Calculations :

Using equation (1), we get

$$\frac{144}{49} = \left(\frac{AC}{PR}\right)^2$$

$$\sqrt{\frac{144}{49}} = \frac{9}{PR}$$

$$\frac{12}{7} = \frac{9}{PR}$$

$$PR = \frac{7 \times 3}{4}$$

$$PR = \frac{21}{4}$$

**Question 78 :**

If $\frac{\cos^2 \theta}{\cot^2 \theta + \sin^2 \theta - 1} = 3$, $0^\circ < \theta < 90^\circ$, then the value of $(\tan \theta + \operatorname{cosec} \theta)$ is:

Difficulty : Moderate**Average Time : 81 Seconds****Options :**

1. $\frac{5\sqrt{3}}{3}$
2. 33
3. 23
4. $\frac{4\sqrt{3}}{3}$

Solution :

The correct answer is **option 1** i.e. $\frac{5\sqrt{3}}{3}$

Given :

$$\frac{\cos^2 \theta}{\cot^2 \theta + \sin^2 \theta - 1} = 3$$

and $0^\circ < \theta < 90^\circ$.

Concept used :

Trigonometric functions

$$\sin^2 A + \cos^2 A = 1 \quad \text{----- (1)}$$

$$\operatorname{cosec}^2 A - \cot^2 A = 1 \quad \text{----- (2)}$$

Calculations :

$$\frac{\cos^2 \theta}{\cot^2 \theta + \sin^2 \theta - 1} = 3$$

Using equation (1), we get

$$\frac{\cos^2 \theta}{\frac{\cos^2 \theta}{\sin^2 \theta} + \sin^2 \theta - \cos^2 \theta} = 3$$

$$\frac{\cos^2 \theta}{\cos^2 \theta (\operatorname{cosec}^2 \theta - 1)} = 3$$

Using equation (2)

$$\frac{1}{\cot^2 \theta} = 3$$

$$\tan^2 \theta = 3$$

$$\tan \theta = \sqrt{3}$$



$$\theta = \tan^{-1}(\sqrt{3})$$

$$\theta = 60^\circ$$

Now put the value of θ

$$\tan \theta + \operatorname{cosec} \theta$$

$$\tan 60 + \operatorname{cosec} 60$$

$$\sqrt{3} + \frac{2}{\sqrt{3}}$$

$$(3 + 2)\sqrt{3}$$

$$5\sqrt{3}$$

$$\frac{5\sqrt{3}}{3}$$

Question 79 :

If $8(x + y)^3 - 27(x - y)^3 = (5y - x)(Ax^2 + By^2 + Cxy)$, then what is the value of $(A + B - C)$?

Difficulty : Moderate

Average Time : 105 Seconds

Options :

1. 16

2. 36

3. -26

4. -16

Solution :

The correct answer is **option 2** i.e. **36**

$$8(x + y)^3 - 27(x - y)^3 = (5y - x)(Ax^2 + By^2 + Cxy)$$

By comparing the coefficient of x^3

$$8 - 27 = -A$$

$$A = 19$$

By comparing the coefficient of y^3

$$8 + 27 = 5B$$

$$B = 7$$

By comparing the coefficient of yx^2

$$24 + 81 = 5A - C$$

$$105 = 95 - C$$

$$C = -10$$

$$A + B - C = 19 + 7 - (-10)$$

$$36$$

Question 80 :

If $x + y = 4 = \left(\frac{1}{x}\right) + \left(\frac{1}{y}\right) = \left(\frac{16}{15}\right)$, then what is the value of $(x^3 + y^3)$?

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

1. 18

2. 16

3. 19

4. 21

Solution :

The correct answer is **option 3** i.e. **19**

$$\left(\frac{1}{x} + \frac{1}{y}\right) = \frac{16}{15}$$

$$\left(\frac{x+y}{xy}\right) = \frac{16}{15}$$

$$\left(\frac{4}{xy}\right) = \frac{16}{15}$$

$$xy = 15/4$$

$$(x + y)^3 = x^3 + y^3 + 3xy(x + y)$$

$$64 = x^3 + y^3 + 3(15/4)(4)$$

$$x^3 + y^3 = 64 - 45$$

$$19$$

Question 81 :

$\triangle ABC \sim \triangle PQR$. The areas of $\triangle ABC$ and $\triangle PQR$ are 64 cm^2 and 81 cm^2 , respectively and AD and PT are the medians of $\triangle ABC$ and $\triangle PQR$, respectively. If $PT = 10.8 \text{ cm}$, then $AD = ?$



Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 8.4 cm
2. 9 cm
3. 9.6 cm
4. 12 cm

Solution :

The correct answer is **option 3** i.e. **9.6 cm**

The ratio of the area of two similar triangles is directly proportional to the square of the median and the sides of the triangle.

$$\text{ar}(\triangle ABC) : \text{ar}(\triangle PQR) = AD^2 : PT^2$$

$$64/81 = AD^2/10.8^2$$

$$8/9 = AD/10.8$$

$$AD = 9.6 \text{ cm}$$

Question 82 :

A chord 21 cm long is drawn in a circle of diameter 25 cm. The perpendicular distance of the chord from the centre is:

Difficulty : Moderate

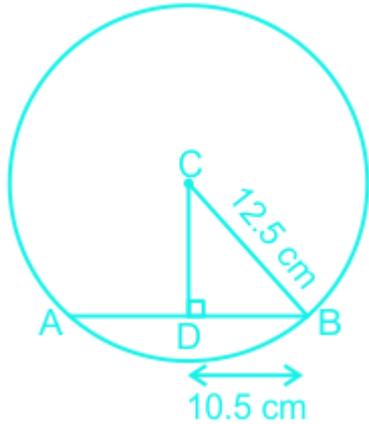
Average Time : 49 Seconds

Options :

1. 41
2. 23
3. 56
4. 46

Solution :

The correct answer is **option 4** i.e. **46**



Applying Pythagoras theorem,

$$(CD)^2 = (BC)^2 - (DB)^2$$

$$(CD)^2 = (12.5)^2 - (10.5)^2 = 46$$

Thus, $CD = \sqrt{46}$

Question 83 :

Study the table and answer the question. Table shows District-wise data of the number of primary school teachers posted in schools of a city. District Male teachers Female teachers East 1650 2375 North 1075 2651 West 1280 1520 South 1170 1085 Central 690 859 What is the ratio of the number of male teachers to the number of female teachers in the city?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. 586 : 849
2. 391 : 566
3. 78 : 113
4. 195 : 286

Solution :

The correct answer is **option 2** i.e. **391 : 566**

Total number of male teachers = $1650 + 1075 + 1280 + 1170 + 690$

5865



Total number of female teachers = $2375 + 2651 + 1520 + 1085 + 859$

8490

$5865 : 8490 = 391 : 566$

Question 84 :

X, Y are two points in a river. Points P and Q divide the straight line XY into three equal parts. The river flows along XY and the time taken by a boat to row from X to Q and from Y to Q are in the ratio 4 : 5. The ratio of the speed of the boat downstream to that of the river current is equal to:

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 3 : 10
2. 10 : 3
3. 3 : 4
4. 4 : 3

Solution :

The correct answer is **option 2** i.e. **10 : 3**.

Let, the speed of the boat be 'x' km/hr and the current be 'y' km/hr

According to the question, the speed of the downstream = $(2/4)a = (1/2)a$

Also, the speed of downstream = $(1/5)a$

Thus,

$$x + y = (1/2)a \text{ \& \ } x - y = (1/5)a$$

Solving both the equation, we get, $x = 7a$ km/hr and $3a$ km/hr

So the ratio of the speed of downstream and the current is 10 : 3

Question 85 :

When x is subtracted from each of 19, 28, 55 and 91, the numbers so obtained in this order are in proportion. What is the value of x?

Difficulty : Moderate

Average Time : 56 Seconds

Options :



8

2. 7

3. 9

4. 5

Solution :

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

Let a, b, c, and d are in proportion then,

$$a/b = c/d \quad ad = bc$$

$$(19 - x)(91 - x) = (28 - x)(55 - x)$$

Now instead of solving this equation, we can put the values.

$$x = 8$$

$$(19 - 8)(91 - 8) = (28 - 8)(55 - 8)$$

$$11 \times 83 = 20 \times 47 \text{ This is wrong.}$$

$$x = 7$$

$$(19 - 7)(91 - 7) = (28 - 7)(55 - 7)$$

$$12 \times 84 = 19 \times 48 \text{ This satisfies}$$

Question 86 :

$(\operatorname{cosec} \theta \{\operatorname{cosec} \theta - 1\} + \operatorname{cosec} \theta \{\operatorname{cosec} \theta + 1\} - \tan^2 \theta)$, $0^\circ < \theta < 90^\circ$, is equal to:

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

1. $\sec^2 + 1$

2. \sec^2

3. $2\sec^2$

4. $1 - \tan^2$

Solution :

The correct answer is **option 1** i.e. $\sec^2 + 1$

$$\frac{\csc \theta}{\csc \theta - 1} + \frac{\csc \theta}{\csc \theta + 1} - \tan^2 \theta$$

$$\frac{\csc \theta (\csc \theta + 1) + \csc \theta (\csc \theta - 1)}{\csc^2 \theta - 1} - \tan^2 \theta$$

$$\frac{2\csc^2 \theta}{\csc^2 \theta - 1} - \tan^2 \theta$$

$$\frac{2\csc^2 \theta}{\cot^2 \theta} - \tan^2 \theta$$

$$2\sec^2 \theta - \tan^2 \theta$$

$$2\sec^2 \theta - \sec^2 \theta + 1$$

$$\sec^2 \theta + 1$$

Question 87 :

The income of A is 45% more than the income of B and the income of C is 60% less than the sum of the incomes of A and B. The income of D is 20% more than that of C. If the difference between the incomes of B and D is Rs 13200, then the income (in Rs) of C is :

Difficulty : Moderate

Average Time : 77 Seconds

Options :

1. 7200
2. 72500
3. 73500
4. 75000

Solution :

The correct answer is **option 3** i.e. **73500**.

Let the income of B be 100x

Income of A = 145x

Income of C = 40% of (100x + 145x) = 98x

Income of D = 120% of C

$\frac{6}{5} \times 98x = 117.6x$

Difference between B and D: (117.6x - 100x)

17.6x = 13200

x = 750

Income of C = $98x$

$$98 \times 750 = 73500$$

Question 88 :

The length of each side of a rhombus is 13 cm and one of the diagonal is 24 cm. What is the area (in cm^2) of the rhombus?

Difficulty : Moderate

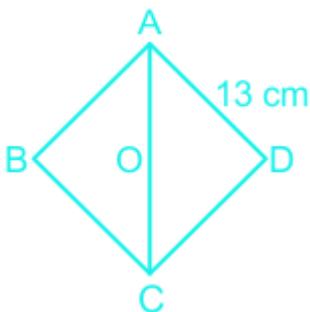
Average Time : 51 Seconds

Options :

1. 120
2. 300
3. 60
4. 240

Solution :

The correct answer is **option 1** i.e. **120**



As we know that the diagonals bisect each other.

$$AC = 24\text{cm}$$

$$OC = 12\text{cm}$$

In $\triangle COD$ using Pythagoras theorem,

$$CD^2 = OC^2 + OD^2$$

$$169 = 144 + OD^2$$

$$OD = 5\text{cm}$$

$$CD = 10\text{cm}$$

Area of rhombus = $(1/2) \times$ product of diagonals

$$(1/2) \times 10 \times 24 = 120\text{cm}^2$$

Question 89 :

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 In July 2018, if the sales of cars by dealer D increase by the same percentage as in June 2018 over its previous month, then what is the number of cars sold by D in July 2018?

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. 1020
2. 959
3. 1014
4. 975

Solution :

The correct answer is **option 3** i.e. **1014**

Sales of D in May = 600

Sales of D in June = 780

Sales of D in July = let's say x

Percentage increase from May to June = $(780 - 600)/600 \times 100$

30%

30% increase in July: 780×1.3

1014

Question 90 :

Sides AB and DC of a cyclic quadrilateral ABCD are produced to meet at E and sides AD and BC are produced to meet at F. If $\angle ADC = 78^\circ$ and $\angle BEC = 52^\circ$, then the measure of $\angle AFB$ is :

Difficulty : Moderate

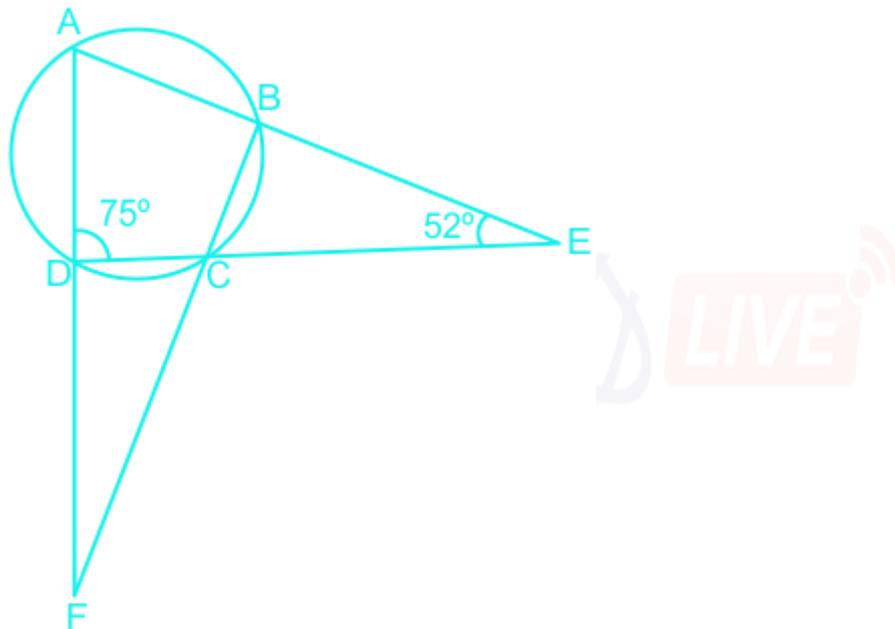
Average Time : 51 Seconds

Options :

- 22°
- 2. 26°
- 3. 32°
- 4. 30°

Solution :

The correct answer is **option 1** i.e. **22°**



In the triangle ADE the sum of all angles is 180°

$$\angle EAD = 180^\circ - (75^\circ + 52^\circ)$$

$$\angle EAD = 53^\circ$$

As the sum of opposite angles of the cyclic quadrilateral is 180° and the sum of the angles on a line is 180° .

$$\angle EAD = \angle DCF = 53^\circ$$

$$\angle CDF = 180^\circ - 75^\circ$$

$$105^\circ$$

$$\angle AFB = 180^\circ - (105^\circ + 53^\circ)$$

$$22^\circ$$

**Question 91 :**

Study the table and answer the question. In the table, production and sale (in 1000 tonnes) of a certain product of a company over 5 years is given. Years Production (in 1000 tonnes) Sale (in 1000 tonnes) 2015 1250 1000 2016 1400 1290 2017 1450 1100 2018 1500 1450 2019 1600 1390 In which year(s) sale is more than 90% of the production?

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. 2015, 2017, 2019
2. 2017, 2018
3. 2016, 2017
4. 2016, 2018

Solution :

The correct answer is **option 1** i.e. **2015, 2017, 2019**

90% of production in 2015 = 1250×0.9

1125

90% of production in 2016 = 1400×0.9

1260

90% of production in 2017 = 1450×0.9

1305

90% of production in 2018 = 1500×0.9

1350

90% of production in 2019 = 1600×0.9

1440

In years 2015, 2017, and 2019 sales is more than 90% of the production.

Question 92 :

Find the value of $\cot 25^\circ \cot 35^\circ \cot 45^\circ \cot 55^\circ \cot 65^\circ$

Difficulty : Moderate

Average Time : 46 Seconds

Options :



1/3

2. 3

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

4. 1

Solution :

The correct answer is **option 4** i.e. 1

$$\cot 25^\circ \cot 35^\circ \cot 45^\circ \cot 55^\circ \cot 65^\circ$$

As we know,

$$\cot(90 - x) = \tan x$$

$$\tan(90 - x) = \cot x$$

$$\cot 25^\circ = \tan(90^\circ - 25^\circ)$$

$$\tan 65^\circ$$

$$\cot 35^\circ = \tan(90^\circ - 35^\circ)$$

$$\tan 55^\circ$$

$$\tan 65^\circ \tan 55^\circ \cot 45^\circ \cot 55^\circ \cot 65^\circ$$

$$(\tan 65^\circ \times \cot 65^\circ)(\tan 55^\circ \times \cot 55^\circ) \cot 45^\circ$$

$$1 \times 1 \times 1 = 1$$

Question 93 :

Some fruits are bought at 15 for Rs 140 and an equal number of fruits at 10 for Rs 120. If all the fruits are sold at Rs 132 per dozen, then what is the profit percent in the entire transaction?

Difficulty : Moderate**Average Time : 63 Seconds****Options :**1. $3\left(\frac{1}{8}\right)$ 2. $4\left(\frac{1}{2}\right)$ 3. $2\left(\frac{1}{4}\right)$

4. 3

**Solution :**

The correct answer is **option 1** i.e. $3\left(\frac{1}{8}\right)$

Let the fruits bought be 1 piece each of cost Rs (140/15) and Rs (120/10).

Thus total cost = $(140/15) + (120/10) = \text{Rs } 21.333$

Selling price of each of the 2 piece is (132/12). So, total Selling price = $2(132/12) = 22$

Hence, profit percentage = $[(22 - 21.33)/21.33] = 3.125\%$

Question 94 :

What is the compound interest (in Rs) on a sum of Rs 8192 for $1\left(\frac{1}{4}\right)$ years at 15% per annum, if interest is compounded 5- monthly?

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

1. 1634
2. 1740
3. 1735
4. 1640

Solution :

The correct answer is **option 1** i.e. **1634**.

$1\left(\frac{1}{4}\right)$ years = 15 months

Principal = Rs.8192

Compounded every 5 months at 15%

$$5/12 \times 15\% = (25/4)\%$$

Interest = Amount - Principal

$$8192(1 + 25/400)^3 - 8192$$

$$8192[(17/16)^3 - 1]$$

$$8192 \times [0.19946289]$$

1634

Question 95 :



To do a certain work, A and B work on alternative days with B beginning the work on the first day. A alone can complete the same work in 24 days. If the work gets completed in $11\frac{1}{3}$ days, then B alone can complete $\frac{7}{9}$ th part of the original work in:

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. $4\frac{1}{2}$ days
2. 6 days
3. $5\frac{1}{2}$ days
4. 4 days

Solution :

The correct answer is **option 2** i.e. **6 days**.

Suppose the total work is '1' unit

According to the work done by A in a day is $(1/24)$ unit

Also, If Both A and B are working on alternate days for $11\frac{1}{3}$ days, starting with B then, B will work for days 6 and A will work for $5\frac{1}{3}$ days.

So, if B is doing 'b' units/day then,

$$(1/24)(5.33) + b(6) = 1$$

$$b = 0.12965 \text{ day}$$

Hence, to do $(7/9)^{\text{th}}$ part of the work it will take $[(7/9)/(0.12965)] = 6$ days

Question 96 :

If $x + (\frac{1}{x}) = 4$, then the value of $x^5 + (\frac{1}{x^5})$ is:

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. 776
2. 684
3. 724
4. 736

Solution :

The correct answer is **option 3** i.e. **724**

$$x + 1/x = 4 \quad (1)$$

Squaring both sides,

$$x^2 + 1/x^2 + 2 = 16$$

$$x^2 + 1/x^2 = 14$$

Cubing equation (1)

$$x^3 + 1/x^3 + 3(x + 1/x) = 64$$

$$x^3 + 1/x^3 + 3(4) = 64$$

$$x^3 + 1/x^3 = 64 - 12$$

52

$$(x^3 + 1/x^3)(x^2 + 1/x^2) = x^5 + x + 1/x + 1/x^5$$

$$52 \times 14 = x^5 + 4 + 1/x^5$$

$$x^5 + 1/x^5 = 728 - 4$$

724

Question 97 :

The average of 28 numbers is 77. The average of first 14 numbers is 74 and the average of last 15 numbers is 84. If the 14th number is excluded, then what is the average of remaining numbers? (correct to one decimal places)

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. 76.9

2. 77

3. 73.1

4. 74.7

Solution :

The correct answer is **option 4** i.e. **74.7**

Sum of all observations = number of observations \times average



$$77 \times 28 = 2156$$

$$\text{Sum of first 14 numbers} = 14 \times 74$$

$$1036$$

$$\text{Sum of 14th term to 28th term} = 15 \times 84$$

$$1260$$

$$\text{Sum of all the numbers including the 14th number twice} = 1036 + 1260$$

$$2296$$

$$14\text{th number} = 2296 - 2156$$

$$140$$

$$\text{When the 14th number is not included: } 2156 - 140$$

$$2016$$

$$\text{Average} = 2016/27$$

$$74.67 \text{ or } 74.7$$

Question 98 :

The value of $20 \div 5$ of $8 \times [9 \div 6 \times (6 - 3)] - (10 \div 2$ of 20) is:

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 1

2. 2

3. 0

4. 6

Solution :

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

$$20 \div 5 \text{ of } 8 \times [9 \div 6 \times (6 - 3)] - (10 \div 2 \text{ of } 20)$$

$$20 \div 40 \times [9 \div 6 \times (6 - 3)] - (10 \div 40)$$

$$1/2 \times [3/2 \times (6 - 3)] - 1/4$$



$$1/2 \times 9/2 - 1/4$$

$$9/4 - 1/4 = 2$$

Question 99 :

If the 5- digit number 676xy is divisible by 3, 7, and 11 then what is the value of $(3x - 5y)$?

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

1. 10

2. 11

3. 9

4. 7

Solution :

The correct answer is **option 3** i.e. **9**

As the number is divisible by 3, 7, 11 so the number will also be divisible by the LCM of 3, 7, 11

$$\text{LCM}(3, 7, 11) = 231$$

We need to find a multiple of 231 near the number 676xy.

By hit and trial,

$$231 \times 300 = 69300$$

Now we need to find a multiple bit lower than 300

$$231 \times 293 = 67683$$

Here, $x = 8$, and $y = 3$

$$(3x - 5y) = 3(8) - 5(3)$$

$$24 - 15 = 9$$

Question 100 :

A shopkeeper earns a profit of 21% after selling a book at 21% discount on the printed price. The ratio of the cost price and selling price of the book is :

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

79 : 100

2. 100 : 79

3. 121 : 100

4. 100 : 121

Solution :

The correct answer is **option 4** i.e. **100 : 121**

Let the cost price of the book be $100x$

After applying the discount still shopkeeper earns a profit of 21%

Selling price = $100x \times 1.21$

$121x$

$100x : 121x = 100 : 121$

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2021-08-13 in the Morning exam is as follows:

1. 100 questions were moderate.
2. The safe score is 140 marks.
3. 25 questions were asked from Logical Reasoning, 25 questions were asked from General Awareness, 25 questions were asked from English Language and 25 questions were asked from Quantitative Aptitude
4. 30 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 - 4
3. Classification - 3
4. Blood Relations - 1



- Syllogism - 1
- 6. Venn Diagrams - 1
- 7. Dictionary Based - 1
- 8. Figure Based - 5
- 9. Matrix - 1
- 10. Series - 3
- 11. Mathematical Reasoning - 2
- 12. Cubes And Dice - 1

General Awareness

- 1. GK Misc - 1
- 2. Current Affairs - 24

English Language

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

Quantitative Aptitude

- 1. Interest - 1
- 2. Trigonometry - 1
- 3. Number Series - 23

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.