

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 2021-08-20 in the Afternoon exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Cgl Tier I exam. There are 100 questions in the exam and 60 minutes are provided for the Ssc Cgl Tier I exam. The Cutoff of the exam was 140 marks hence you should try to score at least 150 marks.

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

Question 1 :

Points P and Q are on the sides AB and BC respectively of a triangle ABC, right-angled at B. If $AQ = 11$ cm, $PC = 8$ cm and $AC = 13$ cm, then find the length (in cm) of PQ.

Difficulty : Moderate

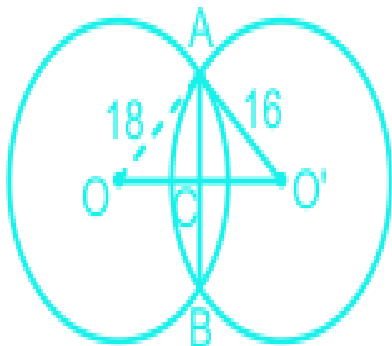
Average Time : 47 Seconds

Options :

1. $\sqrt{15}$
2. 4.5
3. 4
4. $4\sqrt{7}$

Solution :

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



In $\triangle ABC$ by using Pythagoras' theorem

$$a^2 + b^2 = 13^2 \dots\dots\dots(1)$$

In $\triangle ABQ$ by using Pythagoras' theorem

$$x^2 + a^2 = 11^2 \dots\dots\dots(2)$$

In $\triangle CBP$ by using Pythagoras' theorem

$$b^2 + y^2 = 8^2 \dots\dots\dots(3)$$

In $\triangle BPQ$ by using Pythagoras' theorem

$$x^2 + y^2 = PQ^2 \dots\dots\dots(4)$$

On adding equations 2 and 3 we get,

$$x^2 + a^2 + b^2 + y^2 = 121 + 64$$

$$x^2 + y^2 = 185 - 169$$

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

$$PQ^2 = 16$$

$$PQ = 4.$$

**Question 2 :**

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

Difficulty : Moderate**Average Time : 80 Seconds****Options :**

1. Cow: Calf
2. Bee: Queen
3. Penguin: Fawn
4. Shark: Lamb

Solution :

The correct answer is **option 1** i.e. **Cow: Calf**.

The logic used here is:

Cat: Kitten



A baby cat is called a kitten.

Similarly,

Cow: Calf

A baby cow is called a calf.

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

Question 3 :

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. 1. Relativial 2. Relation 3. Related 4. Relative 5. Relatable

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. 5, 3, 2, 4, 1

2. 5, 2, 3, 1, 4

3. 4, 5, 3, 2, 1

4. 5, 3, 2, 1, 4

Solution :

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

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

So the arrangement is;

1. Relatable

2. Related

3. Relation

4. Relativial

5. Relative

Question 4 :

Select the option in which the numbers are related in the same way as the numbers of the following set. (4, 7, 359)



Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. (10, 3, 172)

2. (5, 4, 98)

3. (3, 2, 71)

4. (6, 8, 548)

Solution :

The correct answer is **option 4** i.e. (6, 8, 548).

The logic used here is:

(4, 7, 359)

$$4^2 = 16$$

$$7^3 = 343$$

$$343 + 16 = 359$$

Similarly,

(6, 8, 548)

$$6^2 = 36$$

$$8^3 = 512$$

$$512 + 36 = 548$$

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

Question 5 :

Find the number of triangles in the given figure.

Difficulty : Moderate

Average Time : 42 Seconds

Options :

1. 26

2. 30

3. 32

28

Solution :

The correct answer is **option 3** i.e. **32**.



32 triangles: ABH, BCD, BHD, BLH, BLD, BJI, BJK, IJL, JKL, IKL, BHF, BDF, HFD, HLF, DLF, HGF, DFE, LNM, LNO, LMO, HLM, HIL, DLO, DLK, BIL, BKL, LMF, LOF, BIK, FOM, MNF, FON.

Question 6 :

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

Difficulty : Moderate

Average Time : 46 Seconds

Options :

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

Solution :

The correct answer is **option 3**

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 3** is the correct answer.

Question 7 :

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 : 80 Seconds

Options :

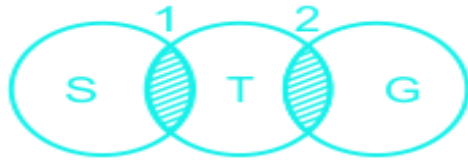


Solution :



The correct answer is **option 2**.

After unfolding, the paper will appear as follows:



Question 8 :

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

Difficulty : Moderate

Average Time : 64 Seconds

Options :



Solution :



The correct answer is **option 2** .

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



Question 9 :

Select the option that is related to the fourth number in the same way as the first number is related to the second number and the fifth number is related to the sixth number. 8: 24 :: ?: 52 :: 18: 114

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. 12
2. 14
3. 20
4. 16

Solution :

The correct answer is **option 1** i.e. **12**.

The logic used here is:

8: 24

$$[8 \times (8 + 1)] \div 3 = [8 \times 9] \div 3 = 72 \div 3 = 24$$

18: 114

$$[18 \times (18 + 1)] \div 3 = [18 \times 19] \div 3 = 342 \div 3 = 114$$

Similarly,

?: 52

$$[a \times (a + 1)] \div 3 = 52$$

a = 12

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

Question 10 :

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 : 48 Seconds

Options :

1. Hinder
2. Forbid
3. Permit
4. Impede

Solution :

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

The logic used here is:

Hinder means making it difficult for (someone) to do something.

Forbid means to refuse to allow.

Impede means to delay or prevent (someone or something) by obstructing them.

Permit means allowing to do something.

Hinder, forbid and impede are synonyms, whereas permit means their opposite.

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

Question 11 :

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 follows from the statements. Statements: 1. All fans are heaters. 2. Some coolers are fans. 3. All purifiers are coolers. Conclusions: I. All purifiers are heaters. II. Some purifiers are heaters. III. Some heaters are coolers. IV. All coolers are heaters.

Difficulty : Moderate

Average Time : 67 Seconds

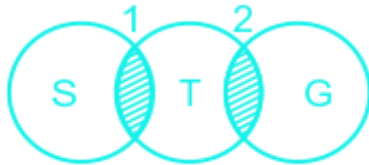
Options :

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

Solution :

The correct answer is **option 1** i.e. **Only conclusion III follows.**

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



Conclusions:

I. All purifiers are heaters **False** (It is possible but no definite conclusion can be drawn).

II. Some purifiers are heaters **False** (It is possible but no definite conclusion can be drawn).

III. Some heaters are coolers **True** (As all fans are heaters, and some fans are coolers, so, we can say that some heaters are coolers).

IV. All coolers are heaters **False** (It is possible but no definite conclusion can be drawn).

Hence, **Only conclusion III follows.**

Question 12 :

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 : 81 Seconds

Options :

1. 797: 679

2. 373: 255

3. 727: 609

4. 191: 177

Solution :

The correct answer is **option 4** i.e. **191: 177.**

The logic used here is:

1st number - 2nd number = 118

Option 1: 797: 679

797 - 679 = 118



This follows the logic.

Option 2: 373: 255

$$373 - 255 = 118$$

This follows the logic.

Option 3: 727: 609

$$727 - 609 = 118$$

This follows the logic.

Option 4: 191: 177

$$191 - 177 = 14$$

This does not follow the logic.

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

Question 13 :

Swati is the daughter of Anil's only sister Akshara. Anil's mother is Gouri. Kamini is Gouri's mother. Kamini's husband is Gaurav. Poonam is the mother-in-law of Gaurav. How is Swati related to Gaurav?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

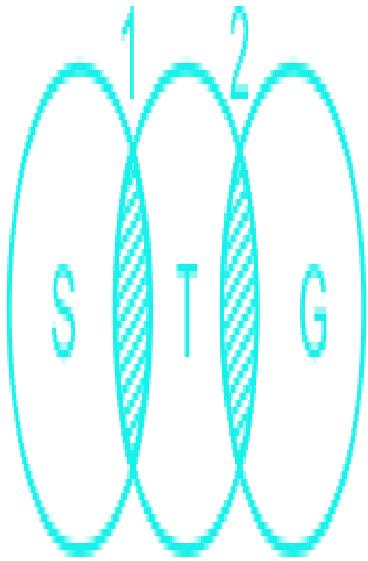
1. Daughter
2. Great-granddaughter
3. Granddaughter
4. Great granddaughter's daughter

Solution :

The correct answer is **option 2** i.e. **Great-granddaughter**.

In the diagram shown;

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



From the above figure, Swati is the great-granddaughter of Gaurav.

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

Question 14 :

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

m_tq_ml_qrm_tq_m_t_r

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. l, r, t, l, r, l, q
2. l, l, q, r, l, r, t
3. l, q, r, l, l, r, t
4. l, t, r, l, l, r, q

Solution :

The correct answer is **option 1** i.e. l, r, t, l, r, l, q.

The sequence is – l, r, t, l, r, l, q

Given sequence: m_tq_ml_qrm_tq_m_t_r

Option 1: l, r, t, l, r, l, q

m l t q r / m l t q r / m l t q r / m l t q r

Option 1 forms a particular pattern.

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

Question 15 :

Study the given pattern carefully and select the number that can replace the question mark (?) in it. 7 35 13 9 24 14 13 120 ?

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. 26

2. 28

3. 24

4. 20

Solution :

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

The logic used here is:

Row 1:

$$(13 - 7)^2 - 1 = 6^2 - 1 = 35$$

Row 2:

$$(14 - 9)^2 - 1 = 5^2 - 1 = 24$$

Similarly,

Row 3:

$$(a - 13)^2 - 1 = 120$$

$$(a - 13)^2 = 121$$

$$a - 13 = 11$$

$$a = 24$$

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

Question 16 :

In a certain code language, 'PRIVATE' is coded as '93236441540', and 'SHORTEN' is coded as '1615383652840'. How will 'REFUSAL' be coded in that language?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

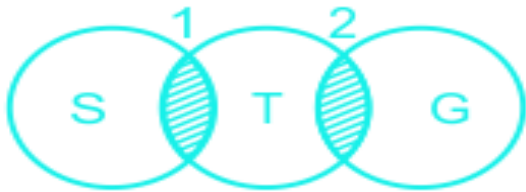
1. 563642112438
2. 512362112438
3. 521361212438
4. 561842212219

Solution :

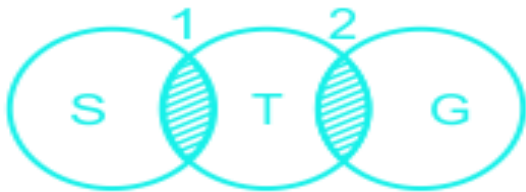
The correct answer is **option 2** i.e. **512362112438**.

The logic used here is:

'PRIVATE' is coded as '93236441540'

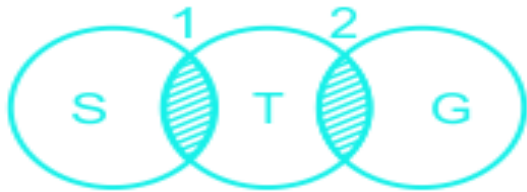


'SHORTEN' is coded as '1615383652840'



Similarly,

Code for the word REFUSAL:



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

Question 17 :

Select the letter cluster from among the given options that can replace the question mark (?) in the following series. DVG, ITM, NRS, SPY, ?

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. WOE
2. ENF
3. XNE
4. XOF

Solution :

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

Given series: DVG, ITM, NRS, SPY, ?

The logic used here is:

DVG, ITM

$$D + 5 = I$$

$$V - 2 = T$$

$$G + 6 = M$$

Similarly;

SPY, ?

$$S + 5 = X$$

$$P - 2 = N$$

$$Y + 6 = E$$



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

Question 18 :

Select the option that is related to the third word in the same way as the second word is related to the first word. Elated: Dejected:: Alleviate:?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Allay
2. Aggravate
3. Quiet
4. Relieve

Solution :

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

The logic used here is:

Elated: Dejected

Elated means ecstatically happy.

Dejected means sad and depressed; dispirited.

Elated is the opposite of dejected.

Similarly,

Alleviate:?

Alleviate means to make it less severe.

Aggravate means to make worse or more serious.

Alleviate is the opposite of aggravate.

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

Question 19 :

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

Difficulty : Moderate

Average Time : 53 Seconds

Options :

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

Solution :



The correct answer is **option 2**.

The logic used here is:

1. The arrow is moving in a clockwise direction.
2. Circle and the square change their position to each corner and are shaded alternatively.

The series of figures:



Question 20 :

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

Difficulty : Moderate

Average Time : 72 Seconds

**Options :**

1. Only A
2. All A, B, C, and D
3. Only A, B, and C
4. Only B, and D

Solution :

The correct answer is **option 2** i.e. **All A, B, C, and D.**

When the sheet is folded along the lines,



In figures A, B, C, and D, none of the opposite faces are adjacent to each other nor seen together. Hence, all cubes can be formed.

Question 21 :

Select the number from among the given options that can replace the question mark (?) in the following series. 18, 3, 36, 6, 54, 9, ?

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

1. 89
2. 90
3. 12
4. 72

Solution :

The correct answer is **option 4** i.e. **72.**

Given series: 18, 3, 36, 6, 54, 9, ?

The series is alternate with two series;

1. 18, 36, 54, ?

$$18 \times 2 = 36$$

$$18 \times 3 = 54$$

$$18 \times 4 = 72$$

2. 3, 6, 9

$$3 \times 2 = 6$$

$$3 \times 3 = 9$$

So, the next term in the series is **72**.

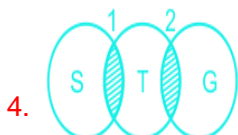
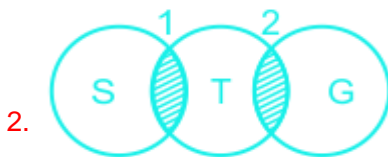
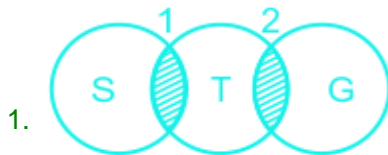
Question 22 :

Read the given statements disregarding commonly known facts and then from the following four options, identify the Venn diagram that correctly represents the statements. Statements: Some stools (S) are tumblers (T) Some tumblers (T) are grinders (G)

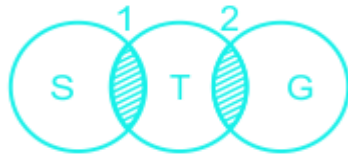
Difficulty : Moderate

Average Time : 49 Seconds

Options :



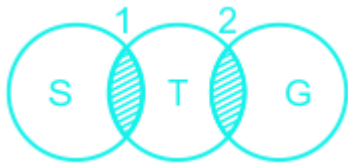
Solution :



The correct answer is **option 1** .

From the Venn diagram, we can conclude from the Venn diagram;

1. Some stools (S) are tumblers (T)
2. Some tumblers (T) are grinders (G)



Question 23 :

Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the equation.

$$221 * 17 * 12 * 130 * 24 * 50$$

Difficulty : Moderate

Average Time : 70 Seconds

Options :

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

Solution :

The correct answer is **option 3** i.e. $\div, \times, , +, =$.

Given equation: $221 * 17 * 12 * 130 * 24 * 50$

Let us check all the options:

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

The expression becomes:

$$= 221 \times 17 \div 12 - 130 + 24 = 50$$



= 207.08 is not equal to 50.

Option 2: $\div, \times, , =, +$

The expression becomes:

$$= 221 \div 17 \times 12 - 130 = 24 + 50$$

= 26 is not equal to 74.

Option 3: $\div, \times, , +, =$

The expression becomes:

$$= 221 \div 17 \times 12 - 130 + 24 = 50$$

= 50 is equal to 50.

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

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

Question 24 :

Alekhya was born one year after her mother's marriage. Her father is two years elder than her mother but twenty-five years older than Alekhya, who is six years old. At what age did the mother get married?

Difficulty : Moderate

Average Time : 72 Seconds

Options :

1. 22 years
2. 31 years
3. 25 years
4. 21 years

Solution :

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

The present age of Alekhya = 6 years

Present age of Alekhya's father = $6 + 25 = 31$ years

Present age of Alekhya's mother = $31 - 2 = 29$ years

Age of Alekhya's mother when she got married = $29 - (6 + 1) = 29 - 7 = 22$ years

**Question 25 :**

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

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

1. VEMPUL
2. UELPVK
3. ULEVPK
4. EVPMUL

Solution :

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

The logic used here is:

'INERTIA' is written as 'RGVKGBZ'

Opposite of I = R

N - 7 = G

Opposite of E = V

R - 7 = K

Opposite of T = G

I - 7 = B

Opposite of A = Z

Similarly,

Code for the word FLOWER:

Opposite of F = U

L - 7 = E

Opposite of O = L



$$W - 7 = P$$

Opposite of E = V

$$R - 7 = K$$

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

Question 26 :

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 : 64 Seconds

Options :

1. GDAW
2. PMJG
3. SPMJ
4. CZWT

Solution :

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

The logic used here is:

1st letter - 3 = 2nd letter

2nd letter - 3 = 3rd letter

3rd letter - 3 = 4th letter

Option 1: GDAW

G - 3 = D

D - 3 = A

A - 3 = X

This does not follow the logic.

Hence, **option 1** is the odd one out.

Question 27 :

Which Indian has the record of maximum catches as a non-wicketkeeper in men's cricket test matches till February 2021?



Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Mohammad Azharuddin
2. Rahul Dravid
3. Ajay Jadeja
4. Saurav Ganguly

Solution :

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

Former Indian cricketer Rahul Sharad Dravid presently leads the country's national squad as its head coach.

- In addition to holding the record for the greatest scoring partnership in Test cricket with Sachin Tendulkar, he also holds the record for the most catches in Test cricket by a non-wicket keeper.
- He is a former cricketer for India who goes by the nicknames "The Great Wall" and "Mr. Dependable."

Question 28 :

Who among the following is the author of the book 'Abode of Love'?

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. Manmohan Singh
2. APJ Abdul Kalam
3. Narendra Modi
4. Shankar Dayal Sharma

Solution :

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

- The publication of Narendra Modi's collection of short stories, "Abode of Love," uncovers a previously unnoticed, sensitive, and sentimental side to him.
- Readers will get a glimpse of a writer who is adept at penetrating the most subtle levels of human connections through the eight short pieces that make up this collection.

Question 29 :

Kala-azar disease is caused by _____.



Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. bacteria
2. protozoa
3. fungi
4. viruses

Solution :

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

Kala Azar is a protozoan disease.

- Leishmaniasis is a vector-borne illness brought on by obligatory intracellular protozoa of the genus Leishmania and spread by sand flies.
- More than 20 species are responsible for human infection.

Question 30 :

Which of the following states does the capital of India, Delhi share its border with?

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. Punjab
2. Haryana
3. Himachal Pradesh
4. Rajasthan

Solution :

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

India's union territory and capital city is Delhi.

- It is bordered by the states of Uttar Pradesh and Haryana.
- Faridabad, Gurugram, and Sonapat are three of the regions of Haryana that encircle Delhi.
- East of Delhi is Uttar Pradesh, which shares borders with Gautam Budh Nagar, Baghpat, and Ghaziabad.

Question 31 :



Which of the following Indian banks launched contactless wearable payment devices called 'Wear N Pay' in March 2021?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. HDFC Bank
2. Axis Bank
3. Indus Ind Bank
4. ICICI Bank

Solution :

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

Under the name Wear 'N' Pay, Axis Bank has introduced a selection of wearable contactless payment devices.

- These items come in a variety of wearable configurations, such as a band, key chain, and watch loop.
- The wearables work like a standard debit card and are immediately connected to an Axis Bank customer's bank account.
- It permits purchases at any retailer's store that recognises contactless payments.

Question 32 :

With which of the following states is the 'Sao Joao' festival associated?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Karnataka
2. Kerala
3. Tamil Nadu
4. Goa

Solution :

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

Goa celebrates the Sao Joao festival, the feast of St. John the Baptist, with the customary fervour.

- The event honours Saint John the Baptist, who baptised Lord Jesus in the Jordan River, and it is held at the start of monsoon season.
- On the occasion of Sao Joao, Siolim, a village in North Goa, hosts a customary canoe procession.

**Question 33 :**

Glucagon, a peptide hormone, is produced by the _____.

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. hypothalamus
2. pituitary glands
3. pancreas
4. adrenals

Solution :

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

Pancreas produces the hormone glucagon to aid in controlling your blood glucose (sugar) levels.

- Human body naturally produces the hormone glucagon, which regulates blood glucose (sugar) levels in conjunction with other hormones and physiological processes.
- Pancreas' alpha cells produce glucagon, which is then released in reaction to a reduction in blood sugar, prolonged fasting, physical activity, and protein-rich meals.

Question 34 :

Who among the following published a set of Ashokan inscriptions in the year 1877?

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. DC Sircar
2. Alexander Cunningham
3. MS Vats
4. Colin Mackenzie

Solution :

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

Alexander Cunningham served in the British Government of India for 28 years after enlisting in the Bengal Engineers as a Second Lieutenant at the age of 19. He met James Prinsep not long after landing in India on June 9th, 1833.

- In 1854, he released "Bhilsa Topes," one of the earliest books on Buddhism.



He is frequently referred to as the "father of Indian archaeology" and was the first Director-General of the Archaeological Survey of India (ASI).

Question 35 :

A fuse protects an electric circuit from:

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. converting one form of energy into other
2. inducing current
3. overloading
4. carrying current

Solution :

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

If an appliance malfunction results in an excessive current flow, the fuse shuts off the circuit.

- If something goes wrong, this safeguards both the wiring and the appliance.
- A wire that melts easily is within the fuse.
- The wire heats up until it melts if the current flowing through the fuse is too high, breaking the circuit.

Question 36 :

India participated in the Petersberg Climate Dialogue 2020 hosted virtually by _____.

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Germany
2. The US
3. The UK
4. France

Solution :

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

[Dialog on Climate in Petersberg](#)



Since 2010, Germany has hosted it as a venue for unofficial, high-level political debates that centre on both the advancement of climate action and global climate negotiations.

- About 30 nations, including India, participated in the virtual XI Petersberg Climate Dialogue, which was co-chaired by Germany and the United Kingdom (UK).

Question 37 :

Which of the following is a State party as of February 2021?

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. **Bahujan Samaj Party**
2. **Aam Aadmi Party**
3. **Communist Party of India**
4. **Trinamool Congress**

Solution :

The correct answer is **option 2** i.e. **Aam Aadmi Party**.

- Arvind Kejriwal established the Aam Aadmi Party in 2012, and it triumphed in the 2013 election for the Delhi Legislative Assembly.
- On December 28, 2013, he was sworn in as Delhi's Chief Minister following the election.
- Aam Aadmi Party became the state party as of February 2021.

Question 38 :

Which of the following is a characteristic of human wants in terms of economics?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. **Wants are satiable.**
2. **Wants are not competitive.**
3. **Wants are limited.**
4. **Wants do not become habits.**

Solution :

The correct answer is **option 1** i.e. **Wants are satiable**.



Human wants or desires are limitless and cannot all be satiated at once, but one want is satisfiable.

- If one strives for it and has the means to do so, it can be satisfied sooner rather than later.
- One might experience hunger or thirst, for instance. Taking some food or water may satisfy this desire.

Question 39 :

Which of the following states will have India's first lithium-ion battery manufacturing plant, expected to become operational by 2021?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. Maharashtra
2. Karnataka
3. Kerala
4. Gujarat

Solution :

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

Gujarat will host the construction of India's first lithium refinery, which will use lithium ore to create battery-grade material.

- Bharat Heavy Electricals Limited (BHEL) and LIBCOIN will build India's first 1GWh lithium-ion battery plant.
- The plant's capacity will be scaled up to 30GWh in due course.
- This project will bring energy independence by replacing oil imports with abundant renewable energy.

Question 40 :

Which of the following Amendment Acts of the Constitution of India conferred statehood to Goa and formed a new union territory comprising of Daman and Diu?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 56th Amendment Act
2. 23rd Amendment Act
3. 67th Amendment Act
4. 45th Amendment Act

Solution :

The correct answer is **option 1** i.e. **56th Amendment Act**.

The territories of Goa, Daman, and Diu were granted the status of a Union Territory with retroactive effect beginning on December 20, 1961 as per 56th Amendment Act.

- On May 30, 1987, the Goa, Daman and Diu Reorganisation Act granted the territory of Goa statehood, although "Daman and Diu" remained a Union territory.
- Goa's legislature only has one chamber.
- The total number of seats in the Legislative Assembly of Goa, Daman, and Diu was 30, and under subsection (3) of Section 3 of the Government of Union Territory Act of 1963, the Union Government might

Question 41 :

Who among the following was the first Indian to win a seat in the House of Commons?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. **Dadabhai Naoroji**
2. WC Bonnerjee
3. Hasrat Mohani
4. MN Roy

Solution :

The correct answer is **option 1** i.e. **Dadabhai Naoroji**.

Dadabhai Naoroji was an Indian social political leader and one of the founders of the Indian National Congress.

- A leading nationalist author and spokesman, he was the first Indian to be elected to membership in the British Parliament.
- He was an Indian spiritual leader from Gujarat who founded the Akram Vignan Movement.

Question 42 :

Which of the following states became the first state to provide a tap water connection to every rural household in October 2020?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. **Bihar**
2. **Goa**



West Bengal

4. Sikkim

Solution :

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

Goa became the first 'Har Ghar Jal State' in India with 100% tap water connections in October 2020.

- Telangana, Andaman & Nicobar Islands, and Goa are the next States to offer a 100% tap water supply in the nation after Goa.
- Every family residing in 56 districts and more than 86,000 villages now has a reliable tap water supply thanks to the tireless work of States and UTs and the Jal Jeevan Mission.

Question 43 :

Nathu La Pass connects India with which of its neighbouring countries?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. Bangladesh
2. Bhutan
3. Nepal
4. China

Solution :

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

Nathu la Pass is one of the three open trading border posts between India and China.

- It has played a key role in the Sino-Indian Trade.
- It has also shortened the distance between the important Buddhist and Hindu pilgrimage sites, thus strengthening the economy and improving border relations with China.

Question 44 :

Who among the following won the men's singles title at the Toyota Thailand Open badminton tournament in January 2021?

Difficulty : Moderate

Average Time : 49 Seconds

Options :



Kidambi Srikanth

2. Rasmus Gemke

3. Viktor Axelsen

4. Hans-Kristian Solberg Vittinghus

Solution :

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

- The Toyota Thailand Open was a badminton tournament that took place at the Impact Arena in Thailand from 19 to 24 January 2021.
- Viktor Axelsen won the men's singles title at the Toyota Thailand Open badminton tournament in January 2021.

Question 45 :

In which of the following years was the Asiatic Society at Calcutta (Kolkata) founded by Sir William Jones?

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. 1820
2. 1800
3. 1784
4. 1767

Solution :

The correct answer is **option 3** i.e. **1784**.

Asiatic Society founded on Jan 15, 1784, by Sir William Jones, a British lawyer and Orientalist, to encourage Oriental studies.

- The Asiatic Society is a government-sponsored organisation established during the Company era in India to advance "Oriental research," in this case, study of India and its surroundings.

Question 46 :

Who among the following was one of the leaders of the Santhal rebellion?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

Sidhu Manjhi

- BR Ambedkar
- Surya Sen
- Swami Vivekanand

Solution :

The correct answer is **option 1** i.e. **Sidhu Manjhi**.

Two years prior to the Great Revolt of 1857, on June 30, 1855, two Santhal brothers named Sidhu and Kanhu Murmu gathered 10,000 Santhals and declared a revolt against the British.

- In 1855–1856, the Santhal Revolt took place. Jharkhand is home to a large population of the Santhal tribe.
- This was India's first major peasant uprising.
- The implementation of the Permanent Land Settlement in 1793 is responsible for the uprising.

Question 47 :

In which Indian state will you find the Kathiawar peninsula?

Difficulty : Moderate

Average Time : 51 Seconds

Options :

- Maharashtra
- Mizoram
- Gujarat
- Rajasthan

Solution :

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

Kathiawar Peninsula in Gujarat state's southwest, west-central India. Also known as the Saurashtra Peninsula.

- Its northern boundary is formed by the Little Rann (marsh) of Kachchh (Kutch), eastern boundary by the Gulf of Khambhat, southern boundary by the Arabian Sea, and western boundary by the Gulf of Kachchh.

Question 48 :

In which of the following states are the Son Bhandar Caves located?



Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Odisha
2. Uttar Pradesh
3. Assam
4. Bihar

Solution :

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

Artificial caverns called Son Bhandar or Sone Bhandar are situated near Rajgir, Bihar.

- At the base of the Vaibhar Hills are two rock-cut caverns known as the Son Bhandar caves.
- In the third and fourth centuries AD, the cliff of the hill was dug out to create the caverns.
- The Jain saint Muni Vairadevi built the caves as a home for the Jain ascetics at that time, according to inscriptions discovered within one of the caves.

Question 49 :

Who among the following is the author of the book 'Inglorious Empire: What the British Did to India'?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Ramchandra Guha
2. VS Naipaul
3. Ashwin Sanghi
4. Shashi Tharoor

Solution :

The correct answer is **option 4** i.e. **Shashi Tharoor**.

The nonfiction book *Inglorious Empire: What the British Did to India* was written by Indian politician and diplomat Shashi Tharoor.

- It was first published in India under the title *An Era of Darkness: The British Empire in India*.
- The effects of British colonial rule on India are examined in the book.

Question 50 :

Collagen is a type of _____.

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. fat
2. vitamin
3. protein
4. carbohydrate

Solution :

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

- A class of protein is collagen. In actuality, it is the structural protein that is most prevalent in mammals.
- A structural protein is one that provides your cells and tissues with their structure or framework.
- There are 28 varieties of collagen that are now recognised, with type I collagen making up 90% of the collagen in the human body.

Question 51 :

Who among the following became India's youngest ever mayor in December 2020? The 21 year-old is currently serving as the mayor of Thiruvananthapuram Corporation.

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Mira Aggarwal
2. Arya Rajendran
3. Chhavi Rajawat
4. Rajni Abbi

Solution :

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

- Arya Rajendran was selected as the corporation's mayor at the age of 21, making her the youngest mayor in the nation.
- She was elected from the Communist Party of India (Marxist Mudavanmukal)'s ward in the Nemom Assembly Constituency.

**Question 52 :**

What is the sum of the digits of the largest five-digit number which is divisible by 5, 35, 39 and 65?

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

1. 30
2. 33
3. 27
4. 35

Solution :

The correct answer is **option 2** i.e. **33**.

The number is divided by 5, 35, 39, and 65 must be a multiple of the LCM of (5, 35, 39, and 65)

LCM of (5, 35, 39, and 65) $k = 1365k$

Largest 5 digit number = $99999 \div 1365 = 73$.

At $k = 73$

$1365 \times 73 = 99645$.

Sum of the digit = $9 + 9 + 6 + 4 + 5 = 33$.

Question 53 :

Study the following table and answer the question: Percentage of marks obtained by six students in five subjects A, B, C, D & E. Students Subjects A (Out of 75) B (out of 80) C (out of 100) D (out of 50) E (out of 150) Manju 68 85 86 72 92 Amit 64 65 80 96 80 Rekha 88 75 65 74 90 Anuj 80 55 68 66 84 Abhi 72 65 72 54 74 Vikram 60 70 73 84 86 The total marks obtained by Anuj in all the five subjects are?

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

1. 331
2. 324
3. 303



328

Solution :

The correct answer is **option 1** i.e. **331**.

$$\begin{aligned} \text{The total marks obtained by Anuj in all the five subjects} &= .80 \times 75 + .55 \times 80 + .68 \times 100 + .66 \times 50 + .84 \times 150 \\ &= 60 + 44 + 68 + 33 + 126 \\ &= 331 \end{aligned}$$

Question 54 :

A shopkeeper sold two items. The selling price of the first item equals the cost price of the second item. He sold the first item at a profit of 20% and the second item at a loss of 10%. What is his overall profit/loss percent?

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

1. Profit, $3\left(\frac{7}{11}\right)\%$
2. Loss, $4\left(\frac{6}{11}\right)\%$
3. Profit, $4\left(\frac{7}{11}\right)\%$
4. Loss, $8\left(\frac{1}{3}\right)\%$

Solution :

The correct answer is **option 1** i.e. **Profit, $3\left(\frac{7}{11}\right)\%$**

For Item A :

Let the CP be $100x$

$$SP = 100x \times 1.2 = 120x.$$

It is given that, the selling price of the first item equals the cost price of the second item.

$$\text{CP of item B} = 120x.$$

$$\text{SP of Item B} = 120x \times .9 = 108x.$$

$$\text{Combined CP} = 100x + 120x = 220x$$

$$\text{Combined SP} = 120x + 108x = 228x$$

$$\text{Loss}\% = \frac{8x}{220x} \times 100 = 3\left(\frac{7}{11}\right)\%$$

Question 55 :

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What price (in Rs.) should Radha mark on a bag which costs Rs. 1680 so as to earn a profit of 25% after allowing a discount of 16% on the marked price?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 2800
2. 2000
3. 2100
4. 2500

Solution :

The correct answer is **option 4** i.e. **2500**.

CP of a bag = 1680

SP of a bag at the profit of 25% = $1680 \times 125\% = 2100$

MP of a bag = $2100 \times 100/84 = 2500$.

Question 56 :

If $(\frac{x}{y} + \frac{y}{x}) = 2$, ($x, y \neq 0$), then the value of $(x - y)$?

Difficulty : Moderate

Average Time : 37 Seconds

Options :

1. 1
2. 0
3. 2
4. -2

Solution :

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

$$\frac{x}{y} + \frac{y}{x} = 2$$

$$x^2 + y^2 = 2xy$$

$$x^2 + y^2 - 2xy = 0$$



$$(x - y)^2 = 0$$

$$x - y = 0$$

Question 57 :

The data given in the table shows the number of students studying in 4 different disciplines in 5 institutes. Study the table and answer the question: Institutes Arts Science Commerce Computer Science A 36 48 59 57 B 45 54 55 48 C 55 36 56 51 D 45 48 55 53 E 48 44 52 55 What is the ratio of the number of students studying Science in institutes C and D taken together to the number of students studying Computer Science in institutes A and E taken together?

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

1. 41 : 56
2. 43 : 56
3. 42 : 55
4. 3 : 4

Solution :

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

The number of students studying Science in institutes C and D taken together = $36 + 48 = 84$.

The number of students studying Computer Science in institutes A and E taken together = $57 + 55 = 112$

Required ratio = $84 : 112 = 3 : 4$.

Question 58 :

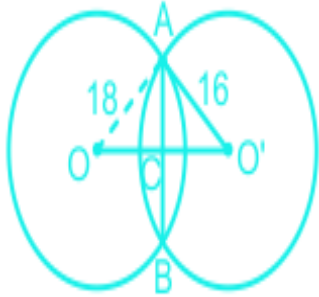
Points A, D, C, B and E are concyclic. If $(\text{ngle})\text{AEC} = 50^\circ$ and $(\text{ngle})\text{ABD} = 30^\circ$, then what is the measure (in degrees) of $(\text{ngle})\text{CBD}$?

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

1. 20
2. 10
3. 15
4. 30

Solution :

The correct answer is **option 1** i.e. **20**.



$$\angle AEC = \angle ABC = 50^\circ$$

$$\angle ABC = \angle ABD + \angle DBC$$

$$\angle DBC = 50 - 30 = 20^\circ$$

Question 59 :

If $2\cos^2(\theta) - 5\cos(\theta) + 2 = 0$, $0^\circ < \theta < 90^\circ$, then the value of $(\sec(\theta) + \tan(\theta))$ is:

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. $2 + \sqrt{3}$
2. $1 - \sqrt{3}$
3. $1 + \sqrt{3}$
4. $2 - \sqrt{3}$

Solution :

The correct answer is **option 1** i.e. $2 + \sqrt{3}$.

$$2\cos^2(\theta) - 5\cos(\theta) + 2 = 0$$

$$2\cos^2(\theta) - 4\cos(\theta) - \cos(\theta) + 2 = 0$$

$$2\cos(\theta)(\cos(\theta) - 2) - 1(\cos(\theta) - 2) = 0$$

$$(\cos(\theta) - 2)(2\cos(\theta) - 1) = 0$$

$$\cos(\theta) = 1/2 \text{ and } 2$$

$\cos(\theta)$ cannot be beyond 1 so 2 is not possible.

$$\cos(\theta) = \cos 60^\circ$$

$$\theta = 60.$$

$$= \sec 60 + \tan 60$$

$$= 2 + \sqrt{3}.$$

Question 60 :

If $(56\sqrt{7}x^3 - 2\sqrt{2}y^3) \div (2\sqrt{7}x - \sqrt{2}y) = Ax^2 + By^2 - Cxy$, then find the value of $A + B - \sqrt{14}C$.

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

1. 38

2. 10

3. 19

4. 58

Solution :

The correct answer is **option 4** i.e. **58**.

On solving the LHS part first we get,

$$= (56\sqrt{7}x^3 - 2\sqrt{2}y^3) \div (2\sqrt{7}x - \sqrt{2}y)$$

$$= (2\sqrt{7}x^3 - \sqrt{2}y^3) \div (2\sqrt{7}x - \sqrt{2}y)$$

$$= (2\sqrt{7}x - \sqrt{2}y)(28x^2 + 2y^2 + 2\sqrt{14}xy) \div (2\sqrt{7}x - \sqrt{2}y)$$

$$28x^2 + 2y^2 + 2\sqrt{14}xy = Ax^2 + By^2 - Cxy$$

On comparing both sides we get,

$$A = 28, B = 2 \text{ and } C = -2\sqrt{14}$$

$$A + B - \sqrt{14}C = 28 + 2 + 28 = 58.$$

Question 61 :

The volume of a wall whose height is 10 times its width and whose length is 8 times its height is 51.2 m³. What is the cost (in Rs.) of painting the wall on one side at the rate of Rs. 100/m²?

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



12800

2. 12750

3. 12250

4. 12500

Solution :

The correct answer is **option 1** i.e. **12800**.

Let the width be x .

height of the wall = $10x$

Length of the wall = $8 \times 10x = 80x$.

Volume = 51.2 m^3

$80x \times 10x \times x = 51.2$

$x^3 = 0.064$

$x = 0.4$

Surface area of one side of the wall = $80x \times 10x = 800 \times 0.4 \times 0.4 = 128$

Cost = $128 \times 100 = 12800$.

Question 62 :

The ratio of monthly incomes of A and B is 4 : 5 and that of their monthly expenditures is 3 : 8. If the income of A is equal to the expenditure of B, then what is the ratio of savings of A and B?

Difficulty : Moderate

Average Time : 53 Seconds

Options :

1. 3 : 8

2. 2 : 5

3. 8 : 3

4. 5 : 2

Solution :

The correct answer is **option 4** i.e. **5 : 2**.



Let the income of A and B be $4x$ and $5x$.

Expenditure of A and B be $3y$ and $8y$.

According to the question,

$$4x = 8y$$

$$x = 2y$$

Income of A and B becomes $8y$ and $10y$

$$\text{Required ratio} = 8y - 3y : 10y - 8y$$

$$= 5 : 2.$$

Question 63 :

Two pipes A and B can fill an empty tank in 10 hours and 16 hours respectively. They are opened alternately for 1 hour each, opening pipe B first. In how many hours, will the empty tank be filled?

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. $14\frac{2}{5}$
2. $16\frac{2}{5}$
3. $10\frac{2}{5}$
4. $12\frac{2}{5}$

Solution :

The correct answer is **option 4** i.e. $12\frac{2}{5}$

A fill the tank in 10 hours

B fill the tank in 16 hours

Total work = (LCM of 10 and 16) = 80.

Efficiency of A = $80/10 = 8$ units/hour

Efficiency of B = $80/16 = 5$ units/hour.

B starts the work,

In 2 hours total work done = $8 + 5 = 13$ units/hour.



Work done in 12 hours = $13 \times 6 = 78$ units/hour.

Remainin work = $80 - 78 = 2$

Time taken by B to complete 2 units of work = $2/5$.

Total time taken = $12 + 2/5 = 12\frac{2}{5}$ hours.

Question 64 :

If $\cot(\theta) = \frac{15}{8}$, θ is an acute angle, then find the value of $\frac{(1 - \cos \theta)(2 + 2\cos \theta)}{(2 - 2\sin \theta)(1 + \sin \theta)}$

Difficulty : Moderate

Average Time : 64 Seconds

Options :

- $\frac{225}{64}$
- $\frac{64}{225}$
- $\frac{16}{15}$
- $\frac{8}{15}$

Solution :

The correct answer is **option 2** i.e. $\frac{64}{225}$

$$\cot(\theta) = 15/8 = B/P$$

$$\text{Hypotenuse} = \sqrt{15^2 + 8^2} = 17$$

$$\sin(\theta) = P/H = 8/17$$

$$\cos(\theta) = B/H = 15/17$$

$$= \frac{(1 - 15/17)(2 + 2 \times 15/17)}{(2 - 2 \times 8/17)(1 + 8/17)}$$

$$= 64/225$$

Question 65 :

The present population of a village is 15280. If the number of males increases by 25% and the number of females increases by 15%, then the population will become 18428. The difference between the present population of males and females in the village is:

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1840

2. 920

3. 2760

4. 1380

Solution :

The correct answer is **option 1** i.e. **1840**.

Let the number of males and number of females be $100x$ and $100y$.

$$100x + 100y = 15280 \dots\dots\dots(1)$$

After increment, the number of males = 125% of $100x = 125x$.

After increment, the number of females = 115% of $100y = 115y$.

$$125x + 115y = 18428 \dots\dots\dots(2)$$

On solving eq (1) and (2) we get,

$$x = 85.6 \text{ and } y = 67.2$$

$$100x - 100y = 8560 - 6720 = 1840.$$

Question 66 :

Study the following table and answer the question: Percentage of marks obtained by six students in five subjects A, B, C, D & E. Students Subjects A (Out of 75) B (out of 80) C (out of 100) D (out of 50) E (out of 150) Manju 68 85 86 72 92 Amit 64 65 80 96 80 Rekha 88 75 65 74 90 Anuj 80 55 68 66 84 Abhi 72 65 72 54 74 Vikram 60 70 73 84 86 The total marks obtained by Amit in subjects A, B and C is what percent less than the total marks obtained by Vikram in subjects B, C, D and E?

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

1. 42

2. 35

3. 40

4. 38

Solution :



The correct answer is **option 3** i.e. **40**.

The total marks obtained by Amit in subjects A, B and C = $.64 \times 75 + .65 \times 80 + .8 \times 100 = 48 + 52 + 80 = 180$

The total marks obtained by Vikram in subjects B, C, D and E = $.7 \times 80 + .73 \times 100 + .84 \times 50 + .86 \times 150 = 56 + 73 + 42 + 129 = 300$

Required% = $(300 - 180)/300 \times 100 = 40\%$

Question 67 :

Simplify the following expression: $15 \div 3 \text{ of } 2 \times 4 + 9 \div 18 \text{ of } 2 \times 3 - 4 \div 8 \times 2$

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. $12\left(\frac{3}{4}\right)$
2. $39\left(\frac{3}{4}\right)$
3. $42\left(\frac{3}{4}\right)$
4. $9\left(\frac{3}{4}\right)$

Solution :

The correct answer is **option 4** i.e. $9\left(\frac{3}{4}\right)$

$$15 \div 3 \text{ of } 2 \times 4 + 9 \div 18 \text{ of } 2 \times 3 - 4 \div 8 \times 2$$

$$15 \div 6 \times 4 + 9 \div 36 \times 3 - 4 \div 8 \times 2.$$

$$15/6 \times 4 + 9/36 \times 3 - 1$$

$$10 + 3/4 - 1$$

$$9 + 3/4$$

$$9\left(\frac{3}{4}\right).$$

Question 68 :

The table shows the daily income (in Rs.) of 50 persons. Study the table and answer the question: Income (Rs.) No. of persons Less than 200 12 Less than 250 26 Less than 300 34 Less than 350 40 Less than 400 50 What is the percentage of persons earning Rs. 250 or more?

Difficulty : Moderate

Average Time : 59 Seconds

Options :



52

2. 68

3. 32

4. 48

Solution :

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

Number of people who earn less than 200 = 12

Number of people who earn more than 200 and less than 250 = 26 - 12 = 14.

Number of people who earn more than 250 and less than 300 = 34 - 26 = 8.

Number of people who earn more than 300 and less than 350 = 40 - 34 = 6.

Number of people who earn more than 350 and less than 400 = 50 - 40 = 10.

Total number of people who earns more than 250 = 8 + 6 + 10 = 24

Total number of student = 12 + 14 + 8 + 6 + 10 = 50

Required % = $\frac{24}{50} \times 100 = 48\%$.

Question 69 :

If $(\sqrt{x} - \frac{1}{\sqrt{x}} = \sqrt{7})$, then the value of $(x^2 + \frac{1}{x^2})$?

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

1. 81

2. 60

3. 79

4. 75

Solution :

The correct answer is **option 3** i.e. **79**.

$$\sqrt{x} - \frac{1}{\sqrt{x}} = \sqrt{7}$$

on squaring both sides we get,



$$x + 1/x - 2 = 7$$

$$x + 1/x = 9$$

on squaring both sides we get,

$$x^2 + 1/x^2 + 2 = 81$$

$$x^2 + 1/x^2 = 79$$

Question 70 :

If $\cos(2(\theta) + 54^\circ) = \sin(\theta)$, $0^\circ < (2(\theta) + 54^\circ) < 90^\circ$, then what is the value of $(\cot^2 \theta + \sec^2 \theta)$?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

- $\frac{\sqrt{3}}{2}$
- $\frac{2\sqrt{3}}{3}$
- $\frac{\sqrt{3}}{3}$
- $\frac{1}{3}$

Solution :

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

$$\cos(2(\theta) + 54^\circ) = \sin(\theta)$$

$$\sin(90 - 2(\theta) - 54) = \sin(\theta)$$

$$36 - 2(\theta) = (\theta)$$

$$(\theta) = 12^\circ$$

$$= (\cot^2 \theta + \sec^2 \theta) = 1/(\cot^2 12 + \sec^2 12) = 1/(1/(\sqrt{3})^2 + 2/(\sqrt{3})^2)$$

$$= \sqrt{3}/3.$$

Question 71 :

The angles of a triangle are in AP (arithmetic progression). If the measure of the smallest angle is 50° less than that of the largest angle, then find the largest angle (in degrees).

Difficulty : Moderate

Average Time : 67 Seconds

Options :



90

2. 85

3. 80

4. 75

Solution :

The correct answer is **option 2** i.e. **85**.

Let the three angles are, $(a - d)$ (a) $(a + d)$.

According to the question,

$$a - d + a + a + d = 180$$

$$3a = 180$$

$$a = 60$$

$$(a + d) - (a - d) = 50$$

$$2d = 50$$

$$d = 25.$$

$$\text{Largest angle} = a + d = 60 + 25 = 85^\circ.$$

Question 72 :

The average monthly salary of 60 employees of a factory is Rs. 29900. If two officers are getting Rs. 90000 each and the average salary of 8 supervisors is Rs. 65000, then what is the average salary (in Rs.) of the remaining employees?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

1. 22680

2. 29080

3. 21080

4. 21880

Solution :

The correct answer is **option 4** i.e. **21880**.

The sum of the monthly salary of 60 employees = $60 \times 29900 = 17,94,000$.

Sum of the salary of two officer = $90000 \times 2 = 1,80,000$.

Average salary of 8 supervisors = $65000 \times 8 = 5,20,000$.

Sum of the salary of remaining employees = $1794000 - 5,20,000 - 1,80,000 = 1094000$.

The average salary of these 50 employees = $1094000/50 = 21880$.

Question 73 :

Two circles of radii 18 cm and 16 cm intersect each other and the length of their common chord is 20 cm. What is the distance (in cm) between their centres?

Difficulty : Moderate

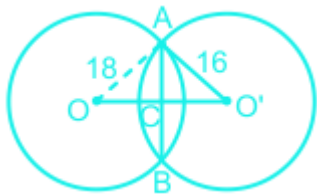
Average Time : 46 Seconds

Options :

1. $4\sqrt{14} - 2\sqrt{39}$
2. $4\sqrt{10} - 2\sqrt{39}$
3. $4\sqrt{10} + 2\sqrt{39}$
4. $4\sqrt{14} + 2\sqrt{39}$

Solution :

The correct answer is **option 4** i.e. $4\sqrt{14} + 2\sqrt{39}$.



Here AB act as bisector of OO' .

$$\angle ACO = \angle ACO' = 90^\circ$$

$$AC = 20/2 = 10 \text{ cm.}$$

In Triangle AOC,

$$OC^2 = OA^2 - AC^2$$

$$OC^2 = 324 - 100 = 224.$$

$$OC^2 = 4\sqrt{14} \text{ cm.}$$



Now in Triangle AO'C,

$$O'C^2 = O'A^2 - AC^2$$

$$O'C^2 = 256 - 100 = 156$$

$$O'C = 2\sqrt{39} \text{ cm.}$$

$$OO' = OC + O'C = 4\sqrt{14} + 2\sqrt{39}.$$

Question 74 :

The interest (in Rs.) is to be paid on a sum of Rs. 30000 at 15% p.a. after $(2\frac{2}{3})$ years, if interest compounded yearly, is:

Difficulty : Moderate

Average Time : 86 Seconds

Options :

1. 14362.50
2. 12364.50
3. 13642.50
4. 13642.50

Solution :

The correct answer is **option 4** i.e. **13642.50**.

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

$$A = 30000(1 + 15/100)^2 \times (1 + (15 \times 2/3)/100)$$

$$A = 39675 \times 1.1$$

$$A = 43642.5$$

$$\text{Interest earned} = (43642.5 - 30000) = 13642.5.$$

Question 75 :

A boat can go 5 km upstreams and $7\frac{1}{2}$ km downstream in 45 minutes. It can also go 5 km downstream and 2.5 km upstream in 25 minutes. How much time (in minutes) will it take to go 6 km downstream?

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. 10

12

3. 15

4. 20

Solution :

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

Let the speed of the boat be 'a' and the speed of the stream be 'b' km/hr

According to the question,

$$5/(a - b) + 7.5/(a + b) = 45/60 = 3/4 \dots\dots\dots(1)$$

$$5/(a + b) + 2.5/(a - b) = 5/12 \dots\dots\dots(2)$$

By multiplying eq(2) by 2 and subtracting eq(1) from (2) we get,

$$2.5/(a + b) = 1/12$$

$$a + b = 30$$

$$\text{Time taken to cover 6 km downstream} = 6/(a + b) \times 60 = 6/30 \times 60 = 12 \text{ minutes}$$

Question 76 :

Select the option that can be used as a one-word substitute for the given group of words. A person preoccupied with an unrealistically optimistic approach to life

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

1. Pragmatic
2. Practical
3. Rational
4. Quixotic

Solution :

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

- **The meaning of the options given are as follows**

1. **Pragmatic:** Dealing with things sensibly and realistically in a way that is based on practical rather than theoretical considerations.



- Practical:** Of or concerned with the actual doing or use of something rather than with theory and ideas.
- Rational:** Based on or in accordance with reason or logic.
 - Quixotic:** Extremely idealistic.

Clearly the meaning of the above sentence is similar to that of the word **Quixotic**.

The correct answer is-

Quixotic

Question 77 :

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. He was in the habit of stealing food from others. B. One night, the villagers decided to teach him a lesson and kept only rotten food in their kitchen. C. The culprit ended up eating the rotten food and fell sick. D. Once upon a time, there lived a man in a village.

Difficulty : Moderate

Average Time : 79 Seconds

Options :

- DABC
- ABDC
- ACDB
- BACD

Solution :

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

- The first part of the paragraph is always **independent** hence, **D** will be the starting sentence.
- The sentence **A** will be the next part as it tells about the **habit of the man i.e. of stealing**.
- The next part will be sentence **B** as it tells about what the **villagers decided to do with the man**.
- The concluding part will be sentence **C** as it **explains what happened to the man after eating rotten food**.

The correct answer is-

Once upon a time, there lived a man in a village. He was in the habit of stealing food from others. One night, the villagers decided to teach him a lesson and kept only rotten food in their kitchen. The culprit ended up eating the rotten food and fell sick.

Question 78 :

Select the most appropriate synonym of the given word. Commence



Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. Start
2. Shoot
3. Stand
4. Stop

Solution :

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

- The word **commence** means **to begin**.
- The meaning of the other words are as follows.
 1. **Shoot**: Move suddenly and rapidly in a particular direction.
 2. **Stand**: Have or maintain an upright position.
 3. **Stop**: Come to an end.

Clearly the synonym of the word **Commence** is **Start**.

The correct answer is-

Start

Question 79 :

Select the most appropriate option to fill in the blank. Researchers have found that 16 facial expressions _____ universally in similar contexts across 12 world regions.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. occur
2. strike
3. transpire
4. befall

Solution :

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



The given sentence is talking about **16 facial expressions across 12 different regions**, hence 'occur' is the most appropriate word.

- The meaning of the word 'occur' is **to take place**.

Hence the complete sentence is " **Researchers have found that 16 facial expressions occur universally in similar contexts across 12 world regions**".

The correct answer is-

occur

Question 80 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. Sunil have been working as a personal assistant to the Director for two years.

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. is working
2. has been worked
3. No substitution
4. has been working

Solution :

The correct answer is **option 4** i.e. **has been working**.

- The subject '**Sunil**' in the given sentence is a **singular subject**.
- The plural form of the verb used in the underlined part '**have**' is **incorrect**.
- **The singular form of the verb** should be used with **singular subject** i.e. '**has**' in this case.
- Hence the correct sentence is '**Sunil has been working as a personal assistant to the Director for two years**'.

The correct answer is-

has been working

Question 81 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. Drought
2. Doubt
3. Dental
4. Dictionary

Solution :

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

- The correct spelling of the word is '**Dictionary**' which means **a reference book on a particular subject, the items of which are typically arranged in alphabetical order.**
- All the other words are spelt correctly and have following meanings.
 1. **Drought:** A prolonged period of abnormally low rainfall.
 2. **Doubt:** A feeling of uncertainty or lack of conviction.
 3. **Dental:** Relating to the teeth.

The correct answer is-

Dictionary

Question 82 :

Select the INCORRECTLY spelt word.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Adequate
2. Adamant
3. Advisable
4. Alternate

Solution :

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

- The correct spelling of the word is '**Advisable**' which means **sensible.**
- All the other words are correctly spelt and their meanings are as follows.
 1. **Adequate:** Satisfactory or acceptable in quality.
 2. **Adamant:** Refusing to be persuaded.



Alternate: Occur in turn repeatedly.

The correct answer is-

Adviseable

Question 83 :

Select the most appropriate option to substitute the underlined segment in the given sentence. If no substitution is required, select 'No substitution'. The herd are grazing in the fields far away from the farmer's hut.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. No substitution
2. The herd has grazing
3. The herd is grazing
4. The herd is grazed

Solution :

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

- The subject '**The Herd**' in the given sentence is a **singular subject**.
- The plural form of the verb '**are**' is incorrect.
- Singular form of the verb i.e. '**is**' should be used with the singular subject '**The Herd**'.

The correct answer is-

The herd is grazing

Question 84 :

Select the most appropriate meaning of the following idiom. To pay lip service

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. To be insincere
2. To make loud statements
3. To talk out of turn
4. To ask for permission

**Solution :**

The correct answer is **option 1** i.e. **To be insincere**

- The meaning of the above idiom "**To pay lip service**" is **insincere agreement of support**.
- Hence the correct option is "**To be insincere**".

The correct answer is-

To be insincere

Question 85 :

Select the option that can be used as a one-word substitute for the given group of words. One who supervises in an examination hall

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. **Verifier**
2. **Invigilator**
3. **Inspector**
4. **Manager**

Solution :

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

- **The meaning of the above words are as follows.**

1. **Invigilator:** A person whose job is to watch people taking an exam in order to check that they do not cheat.
2. **Inspector:** An official employed to ensure that official regulations are obeyed.
3. **Manager:** A person responsible for controlling or administering an organization or group of staff.
4. **Verifier:** Someone who vouches for another or for the correctness of a statement.

Clearly the one word substitute for the above sentence is **Invigilator**.

The correct answer is-

Invigilator

Question 86 :

Select the most appropriate synonym of the given word. Principle

Difficulty : Moderate

Average Time : 63 Seconds



Options :

1. Concrete
2. Headmaster
3. Leader
4. Axiom

Solution :

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

- The word '**Principle**' means a **fundamental truth or proposition that serves as the foundation for a system of belief.**
- The meaning of all the other words are as follows.

1. **Axiom:** A statement or proposition which is regarded as being established.
2. **Leader:** The person who leads or commands a group.
3. **Headmaster:** A man who is the head teacher in a school.
4. **Concrete:** Existing in a material or physical form.

Clearly the meaning of **Principle** and **Axiom** are similar hence are **synonyms** of each other.

The correct answer is-

Axiom

Question 87 :

Select the most appropriate meaning of the following idiom. To get the ball rolling

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. To play a ball game well
2. To begin a process
3. To match an opponent
4. To keep working until late

Solution :

The correct answer is **option 2** i.e. **To begin a process**

- The meaning of the idiom ' Get the ball rolling' means **to set an activity in motion, to make a start.**



The correct answer is-

To begin a process

Question 88 :

Select the option that expresses the given sentence in indirect speech. Kamal said, "I have done my work."

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Kamal said that I have done my work.
2. Kamal said I have done my work.
3. Kamal said that he has done his work.
4. Kamal said that he had done his work

Solution :

The correct answer is **option 4** i.e. **Kamal said that he had done his work.**

- The above sentence is a **direct speech**.
- The basic rules to convert direct speech into indirect are as follows.
 1. The **commas and inverted commas** are removed and **'that'** is added.
 2. The **first person pronoun are converted to third person pronouns** i.e. **'I' to 'he' and 'my' to 'his'** in this case.
 3. The **present perfect tense is changed to past perfect tense**.

The correct answer is-

Kamal said that he had done his work

Question 89 :

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. Indeed, polymers such as regenerated cellulose, which have become familiar household materials under the trade names rayon and nylon, are also made into numerous non-fibre products, ranging from cellophane envelope windows to clear plastic soft-drink bottles. B. The chemical compounds from which man-made fibres are produced are known as polymers, a class of compounds characterised by long, chain-like molecules of great size and molecular weight. C. As fibres, these materials are prized for their strength, toughness, resistance to heat and mildew, and ability to hold a pressed form. D. Many of the polymers that constitute man-made fibres are the same as or similar to compounds that make up plastics, rubbers, adhesives and surface coatings.



Difficulty : Moderate

Average Time : 101 Seconds

Options :

1. BDAC
2. BCDA
3. ACDB
4. CBAD

Solution :

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

- The first part of the paragraph is generally **the independent part** so clearly **B** is the starting of the paragraph.
- The sentence **C** should be the next part as it **tells about the quality of the polymers according to which they are prized.**
- The next will be sentence **D** as it tells about **all other compounds similar to polymers which make plastics etc.**
- The concluding part will be sentence **A** as it tells about **the daily usage of polymers.**

The correct answer is-

The chemical compounds from which man-made fibres are produced are known as polymers, a class of compounds characterised by long, chain-like molecules of great size and molecular weight. As fibres, these materials are prized for their strength, toughness, resistance to heat and mildew, and ability to hold a pressed form. Many of the polymers that constitute man-made fibres are the same as or similar to compounds that make up plastics, rubbers, adhesives and surface coatings. Indeed, polymers such as regenerated cellulose, which have become familiar household materials under the trade names rayon and nylon, are also made into numerous non-fibre products, ranging from cellophane envelope windows to clear plastic soft-drink bottles.

Question 90 :

Select the most appropriate option to fill in the blank. The cabinet has _____ a proposal to change the way universities are funded and managed.

Difficulty : Moderate

Average Time : 96 Seconds

Options :

1. endorsed
2. endeared



evaporated

4. endangered

Solution :

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

- The given statement talks about **the agreement to change the way of funding and management of the universities**.
- Hence the most appropriate word is '**endorsed**'
- The word '**endorsed**' means **declare one's public approval or support of**.

Therefore the complete sentence is "**The cabinet has endorsed a proposal to change the way universities are funded and managed**".

The correct answer is-

endorsed

Question 91 :

The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If there is no error, select 'No error' as your answer. My brother / who live in Pune / is arriving tomorrow.

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. No error
2. is arriving tomorrow
3. who live in Pune
4. My brother

Solution :

The correct answer is **option 3** i.e. **who live in Pune**.

- The plural form of the verb used i.e. '**live**' is incorrect.
- The subject '**brother**' is a **singular subject**.
- The singular form of verb i.e. 'lives' should be used.

Hence, the correct sentence is "**My brother who lives in Pune is arriving tomorrow**".

The correct answer is-



who live in Pune

Question 92 :

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. At the last meeting / which took place in November, / half the members submitted / their resignations on protest.

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

1. which took place in November
2. their resignations on protest
3. At the last meeting
4. half the members submitted

Solution :

The correct answer is **option 2** i.e. **their resignations on protest**

- In the above sentence the use of the preposition is wrong i.e. 'on'.
- Preposition '**on**' means about something.
- The use of the word protest shows that **you don't approve something**.
- The use of the preposition '**in**' is done to show involvement into something.

Clearly the correct sentence is

At the last meeting which took place in November, half the members submitted their resignations **in** protest.

The correct answer is-

their resignations on protest.

Question 93 :

Select the most appropriate ANTONYM of the given word. Triumph

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

1. Pride
2. Celebration



Joy

4. Failure

Solution :

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

The meaning of the given options are:

- **Failure:** Inadequate results.
- **Joy:** A sensation of intense pleasure and joy.
- **Celebration:** The act of commemorating a significant day or occasion.
- **Pride:** Awareness of one's own worth.

Clearly, the meaning of **failure** is the opposite of that of **triumph**. Hence, is an antonym of triumph.

The correct answer is-

Failure

Question 94 :

Select the option that expresses the given sentence in passive voice. Shiva wrote a letter to the head of the HR Department in response to the advertisement.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. A letter was written by Shiva to the head of the HR department in response to the advertisement.
2. A letter had been written by Shiva to the head of the HR department in response to the advertisement.
3. A letter was written by the head of the HR department to Shiva in response to the advertisement.
4. A letter was wrote by Shiva to the head of the HR department in response to the advertisement.

Solution :

The correct answer is **option 1** i.e. **A letter was written by Shiva to the head of the HR department in response to the advertisement.**

- **In active voice** the emphasis is on the subject and the performance of an action.
- **In passive voice** the emphasis is on the action and the object of the sentence.
- **In passive voice verbs** are used in a different tenses i.e. **third form of the verb is used.**

The correct answer is-

A letter was written by Shiva to the head of the HR department in response to the advertisement.

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 number. English vocabulary has (1)_____ remarkable range, flexibility and adaptability. Thanks to the periods (2)_____ contact with foreign (3)_____ and its readiness to (4)_____ new words out of old elements, English seems to have far more words in its core (5)_____ than other languages.

Question 95 :

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

Difficulty : Moderate

Average Time : 96 Seconds

Options :

1. a
2. the
3. one
4. an

Solution :

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

- The article "a" is an indefinite article. It is used with a singular countable noun (or adjective) that start with a consonant sound, when the noun (or adjective) referred to is nonspecific or generic.
- Here, in the given statement "**Remarkable**" is a singular countable adjective (generic) which means "worthy of attention; striking" hence, using "a" before "remarkable" seems to be the correct choice.

Hence, the chosen option is correct.

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 number. English vocabulary has (1)_____ remarkable range, flexibility and adaptability. Thanks to the periods (2)_____ contact with foreign (3)_____ and its readiness to (4)_____ new words out of old elements, English seems to have far more words in its core (5)_____ than other languages.

Question 96 :

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

Difficulty : Moderate

Average Time : 76 Seconds

Options :

- at
2. of
3. on
4. to

Solution :

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

- The Preposition "**Of**" is often used to show the position of something/somebody in space or time.
- **Example:** at the time of the revolution.
- In the given statement, "periods of contact" seems to make a meaningful context with the paragraph.

Hence, the chosen option is correct.

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 number. English vocabulary has (1)_____ remarkable range, flexibility and adaptability. Thanks to the periods (2)_____ contact with foreign (3)_____ and its readiness to (4)_____ new words out of old elements, English seems to have far more words in its core (5)_____ than other languages.

Question 97 :

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

Difficulty : Moderate

Average Time : 67 Seconds

Options :

1. languages
2. currencies
3. mathematics
4. science

Solution :

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

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

1. **languages-** a system of communication used by a particular country or community.
2. **currencies-** a system of money in general use in a particular country.
3. **mathematics-** the abstract science of number, quantity, and space, either as abstract concepts (pure mathematics



), or as applied to other disciplines such as physics and engineering (applied mathematics).

4. **science**- the intellectual and practical activity encompassing the systematic study of the structure and behaviour of the physical and natural world through observation and experiment.

In the given statement, "**foreign languages**" makes a meaningful pair and fits the context appropriately as well.

Hence, the chosen option is correct.

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 number. English vocabulary has (1)_____ remarkable range, flexibility and adaptability. Thanks to the periods (2)_____ contact with foreign (3)_____ and its readiness to (4)_____ new words out of old elements, English seems to have far more words in its core (5)_____ than other languages.

Question 98 :

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

Difficulty : Moderate

Average Time : 89 Seconds

Options :

1. coin
2. think
3. shed
4. discard

Solution :

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

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

1. **coin**- invent (a new word or phrase).
2. **think**- direct one's mind towards someone or something; use one's mind actively to form connected ideas.
3. **shed**- discard (something undesirable, superfluous, or outdated).
4. **discard**- get rid of (someone or something) as no longer useful or desirable.

"**Coin**" which means "**invent (a new word or phrase)**" fits the context appropriately.

Hence, the chosen option is correct.

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 number. English vocabulary has (1)_____ remarkable range, flexibility and adaptability. Thanks to the periods (2)_____ contact with foreign (3)_____ and its readiness to (4)_____ new words out of old elements, English seems to have far more words in its core (5)_____ than other languages.

Question 99 :

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

Difficulty : Moderate

Average Time : 81 Seconds

Options :

1. selection
2. inventory
3. catalogue
4. vocabulary

Solution :

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

The meaning of the given options are:

- **Vocabulary:** the body of words used in a particular language.
- **Selection:** the action or fact of carefully choosing someone or something as being the best or most suitable.
- **Catalogue:** a complete list of items, typically one in alphabetical or other systematic order.
- **Inventory:** a complete list of items such as property, goods in stock, or the contents of a building.

Clearly, in the given sentence we are talking about English which is a language. Clearly, we are talking about a list of words used in English.

The correct answer is-

*English seems to have far more words in its core **vocabulary** than other languages.*

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2021-08-20 in the Afternoon exam is as follows:

1. 99 questions were moderate.

The safe score is 140 marks.

- 25 questions were asked from Quantitative Aptitude, 25 questions were asked from Logical Reasoning, 25 questions were asked from General Awareness and 24 questions were asked from English Language
- 14 questions should have been skipped if you were short of time.

Ssc Cgl Tier I Previous Year Question Paper Topic Wise Weightage

Quantitative Aptitude

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

Logical Reasoning

1. Coding Decoding - 2
2. Analogy - 4
3. Classification - 3
4. Blood Relations - 1
5. Syllogism - 1
6. Venn Diagrams - 1
7. Dictionary Based - 1
8. Figure Based - 5
9. Matrix - 1

Series - 3

11. Mathematical Reasoning - 2
12. Cubes And Dice - 1

General Awareness

1. Art And Culture - 25

English Language

1. One Word Substitution - 1
2. Voice - 1
3. Antonym - 1
4. Incorrectly Spelt - 21
5. Incorrectly Spelt - 21

Ssc Cgl Tier I Previous Year Question Paper Tips and Tricks



1. Try to solve Ssc Cgl Tier I Previous Year Question Paper without taking any help from the solutions.
2. Ssc Cgl Tier I Previous Year Question Paper require proper usage of concept so firstly read the question thoroughly and then use the right concept.
3. In case you're not able to solve the question in less than 30 seconds in the exam then you should skip the question and move to the next question.

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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.