



Ssc Cgl Tier I Previous Year Question Paper Overview

Here, you can solve all the questions asked in Ssc Cgl Tier I Previous Year Question Paper on 2022-04-11 in the Evening exam. The detailed solutions are also provided for every previous year question and some of these questions can be asked again in your Ssc Cgl Tier I exam. There are 100 questions in the exam and 60 minutes are provided for the Ssc Cgl Tier I exam. The Cutoff of the exam was 140 marks hence you should try to score at least 150 marks.

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

Question 1 :

'A % B' means 'A is the sister of B'. 'A \$ B' means 'A is the brother of B'. 'A @ B' means 'A is the son of B'. 'A & B' means 'A is the mother of B'. If 'R % T & Z \$ S @ V @ C % Y', then which of the following statements is NOT correct?

Difficulty : Moderate

Average Time : 57 Seconds

Options :

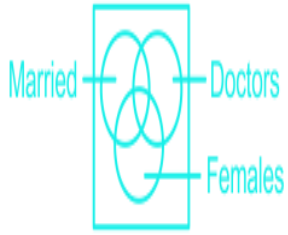
1. C is the paternal grandmother of Z.
2. T is the mother of S
3. T is the daughter of C.
4. V is the father of Z.

Solution :

The correct answer is **option 3** i.e. **T is the daughter of C.**

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, T is not the daughter of C.

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

Question 2 :

A cube is made by folding the given sheet. In the cube so formed, which number will be on the face opposite to the face having the number '1'?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

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

Solution :

The correct answer is **option 1** i.e. **2**.

When the cube is made by folding the sheets;

6 is opposite to 4.

1 is opposite to 2.

5 is opposite to 3.

So, the number on the opposite side of the number '1' is '2.'

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

Question 3 :

Reeta is standing facing southeast. First, she turns 135° clockwise, After that, she turns 90° anticlockwise. Then she turns 45° clockwise, followed by a 135° anticlockwise turn. In which direction is she facing now?

Difficulty : Moderate

Average Time : 49 Seconds

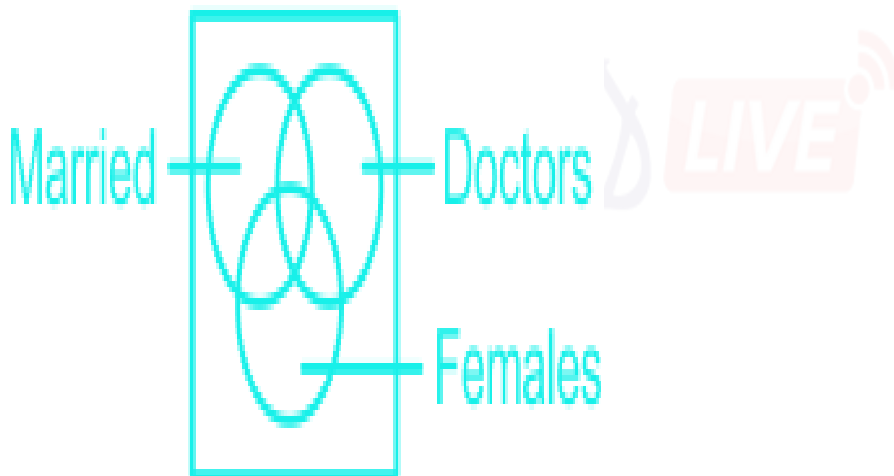
Options :

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

Solution :

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

Using the above information we can draw the following diagram:



From the figure, Reeta is facing the East direction.

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

Question 4 :

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

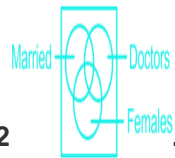
Average Time : 52 Seconds

Options :

- 1.

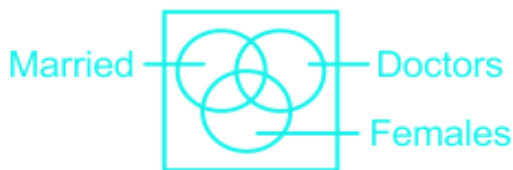
- 1.
- 2.
- 3.
- 4.

Solution :



The correct answer is **option 2**

After unfolding, the paper will appear as follows:



Question 5 :

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

Difficulty : Moderate

Average Time : 65 Seconds

Options :

- 1. YJB

UFQ

3. RCN

4. EPA

Solution :

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

The logic used here is:

1st letter + 11 = 2nd letter

2nd letter + 11 = 3rd letter

Option 1: YJB

Y + 11 = J

J + 11 = U

This does not follow the logic.

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

Question 6 :

Which two signs should be interchanged to make the given equation correct? $32 + 24 \times 4 \div 16 - 64 = 90$

Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. + and -

2. ÷ and +

3. ÷ and ×

4. + and ×

Solution :

The correct answer is **option 1** i.e. **+ and -**.

Given equation: $32 + 24 \times 4 \div 16 - 64 = 90$

Let us check all the options:

Option 1: + and -



The expression becomes:

$$= 32 - 24 \times 4 \div 16 + 64 = 90$$

= 90 is equal to 90.

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

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

Question 7 :

If 'A' denotes 'addition', 'B' denotes 'multiplication', 'C' denotes 'subtraction' and 'D' denotes 'division', then what will be the value of the following expression? 8 B (4 A 5) C (99 A 27) D 14 A 5 B (112 D 16)

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. 85
2. 107
3. 116
4. 98

Solution :

The correct answer is **option 4** i.e. **98**

Given equation: 8 B (4 A 5) C (99 A 27) D 14 A 5 B (112 D 16)

Given conditions: A +; B ×; C -; D ÷

After replacing the expression becomes:

$$= 8 \times (4 + 5) - (99 + 27) \div 14 + 5 \times (112 \div 16)$$

$$= 98$$

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

Question 8 :

In a certain code language, 'TURKEY' is written as '76911525'. How will 'BREATH' be written in that language?

Difficulty : Moderate

Average Time : 50 Seconds

Options :

259221208

2. 259221197

3. 218526208

4. 251841208

Solution :

The correct answer is **option 1** i.e. **259221208**.

The logic used here is:

'TURKEY' is written as '76911525'

Opposite of T = G = 7

Opposite of U = F = 6

Opposite of R = I = 9

K = 11

E = 5

Y = 25

Similarly,

Code for the word BREATH:

Opposite of B = Y = 25

Opposite of R = I = 9

Opposite of E = V = 22

A = 1

T = 20

H = 8

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

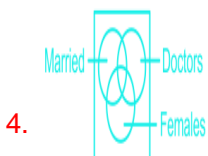
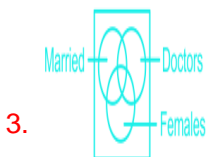
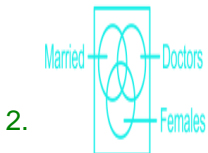
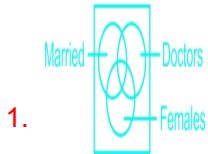
Question 9 :

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

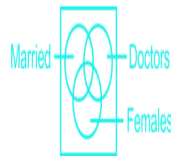
Difficulty : Moderate

Average Time : 58 Seconds

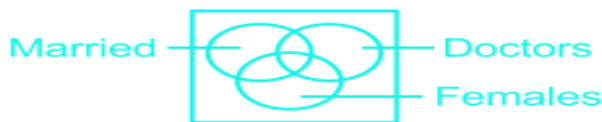
Options :



Solution :



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



Question 10 :

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: Some printers are coolers. No cooler is a telephone. All machines are telephones. Conclusions: I. Some printers are machines. II. No machine is cooler.

Difficulty : Moderate

Average Time : 74 Seconds

Options :

1. Only conclusion II follows



Only conclusion I follows

3. Neither conclusion I nor II follows

4. Both the conclusions follow

Solution :

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

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

**Conclusions:**

I. Some printers are machines **False** (It is possible, but no definite conclusion can be drawn).

II. No machine is cooler **True** (As all machines are telephones, and no cooler is a telephone, so, no machine is cooler.).

Hence, **Only conclusion II follows**.

Question 11 :

Select the number from among the given options that can replace the question mark (?) in the following series. 17, 16, 32, 29, 116, ?

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. 71

2. 121

3. 111

4. 81

Solution :

The correct answer is **option 3** i.e. **111**.

Given series: 17, 16, 32, 29, 116, ?

The series follows this pattern:

$$17 - 1 = 16$$

$16 \times 2 = 32$

$32 - 3 = 29$

$29 \times 4 = 116$

$116 - 5 = 111$

So, the next term in the series is **111**.

Question 12 :

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

Difficulty : Moderate

Average Time : 42 Seconds

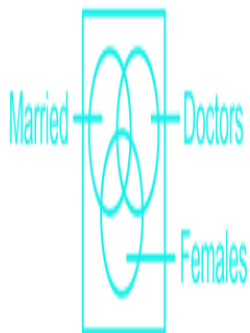
Options :

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

Solution :

The correct answer is **option 2**.

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



Question 13 :



Select the number from among the given options that can replace the question mark (?) in the following series. 45, 68, 99, ?, 187, 246, 313

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. 105
2. 166
3. 117
4. 140

Solution :

The correct answer is **option 4** i.e. **140**.

Given series: 45, 68, 99, ?, 187, 246, 313

The series follows this pattern:

$$45 + 23 = 68$$

$$68 + 31 = 99$$

$$99 + 41 = 140$$

$$140 + 47 = 187$$

$$187 + 59 = 246$$

$$246 + 67 = 313$$

So, the missing term in the series is **140**.

Question 14 :

Select the option in which the two numbers are related in the same way as the two numbers of the following number pair.

14 : 450

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. 31 : 961
2. 18 : 722



30 : 902

4. 22 : 490

Solution :

The correct answer is **option 2** i.e. **18: 722**.

The logic used here is:

14: 450

$$(14 + 1)^2 \times 2 = 15^2 \times 2 = 225 \times 2 = 450$$

Similarly,

18: 722

$$(18 + 1)^2 \times 2 = 19^2 \times 2 = 361 \times 2 = 722$$

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

Question 15 :

In a certain code language, 'do or die' is written as 'su ru ko', 'let us do it' is written as 'ko mo yo zu', and 'this or that' is written as 'ga tu ru'. How will 'die' be written in that language?

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

1. ru

2. ko

3. ku

4. su

Solution :

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

The logic used here is:

'do or die' = 'su ru ko',

'let us do it' = 'ko mo yo zu',

'this or that' = 'ga tu ru'.



Code for the word do = ko

Code for the word or = ru

Hence, the code for the word die = su.

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

Question 16 :

Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary. 1. Junketeered 2. Junction 3. Junketers 4. Junketeering 5. Junctures

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. 2, 5, 1, 4, 3

2. 2, 5, 3, 1, 4

3. 1, 4, 2, 3, 5

4. 2, 5, 4, 3, 1

Solution :

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

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

So the arrangement is;

2. **Junction**

5. **Junctures**

1. **Junketeered**

4. **Junketeering**

3. **Junketers**

Question 17 :

Which of the following statements is/are correct regarding the mountains? I- Mountains may be arranged in a line known as a range. II-The Aravali range in India is one of the oldest fold mountain systems in the world. III- Mt. Kilimanjaro in South America is an example of a Volcanic Mountain.



Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. Only I and II
2. I, II and III
3. Only I
4. Only II

Solution :

The correct answer is **option 1** i.e. **Only I and II**.

A) A mountain range or hill range is a series of mountains or hills ranged in a line and connected by high ground.

- **The Himalayas** are the highest mountain range in the world. Over 30 peaks in the Himalayas are over 24,000 ft/7315m high.
- The Andes are the second-highest Mountain Range in the world with many peaks rising over 20,000 feet.

B) The Aravalli Range, an eroded stub of ancient mountains, is one of the **oldest ranges of Fold Mountains in the world**. running approximately 670 km (420 mi) in a southwest direction, starting near Delhi, passing through southern Haryana, Rajasthan and ending in Ahmedabad Gujrat. The highest peak is Guru Shikhar on Mount Abu at 1,722 m (5,650 ft).

C) Mount Kilimanjaro is the tallest mountain on the African continent and the **highest free-standing mountain in the world**. Also called a **stratovolcano** (a term for a very large volcano made of ash, lava, and rock), Kilimanjaro is made up of three volcanic cones: **Kibo, Mawenzi, and Shira**.

Thus, from above we can conclude that **only I and II** are true and III is false because **Mount Kilimanjaro is in South Africa not in South America**.

Question 18 :

Six houses, A, B, C, D, E, and F, are situated in a colony. D is 60 m south of E. F is 40 m south of B. A is 30 m north of E. F is 50 m east of A. C is 50 m west of B. Find the location of C with reference to A.

Difficulty : Moderate

Average Time : 107 Seconds

Options :

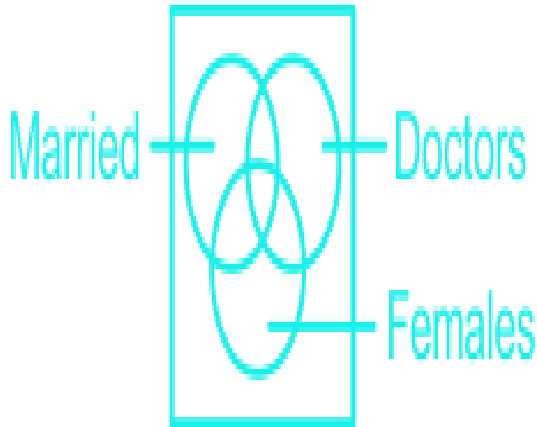
1. 50 m north
2. 30 m east
3. 40 m south

40 m north

Solution :

The correct answer is **option 4** i.e. **40 m north**.

Using the above information we can draw the following diagram:



From the figure, C is 40 meters north with respect to A.

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

Question 19 :

If 90% of a number is 621, what will be 50% of 20% of that number?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. 74
2. 69
3. 79
4. 54

Solution :

The correct answer is **option 2** i.e. **69**.

Let the number be x.

$$90\% \text{ of } x = 621$$

$x = 690$

50% of 20% of $x = (1/2)(1/5)(690) = 69$

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

Question 20 :

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

Difficulty : Moderate

Average Time : 39 Seconds

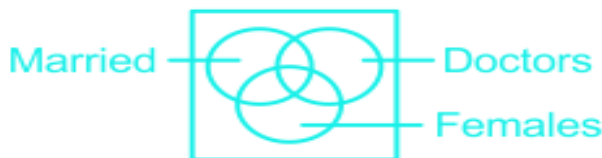
Options :

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

Solution :

The correct answer is **option 1**

The mirror image of the question figure is shown below:



Since the mirror is placed right to the question figure, the right-hand side of the original image will be now the left-hand side of the mirror image.

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

Question 21 :

Select the option that is related to the third letter cluster in the same way as the second letter cluster is related to the first letter cluster. PDK: QFN:: SJQ:?

Difficulty : Moderate

Average Time : 78 Seconds

Options :

- 1. TMS



UNT

3. ULS

4. TLT

Solution :

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

The logic used here is:

PDK: QFN

 $P + 1 = Q$ $D + 2 = F$ $K + 3 = N$

Similarly,

SJQ:?

 $S + 1 = T$ $J + 2 = L$ $Q + 3 = T$

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

Question 22 :

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

P ___ P S T S ___ S P S _

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. TSSPTSS

2. PSSPPSS

3. PSTSPTT

4. STSPSTT

Solution :

The correct answer is **option 4** i.e. **S T S P S T T**.

The sequence is – S T S P S T T

Given sequence: S P _ _ _ P S T S _ _ _ S P S _

Option 1: T S S P T S S

S P T S S P S T S P T S S P S S

Option 2: P S S P P S S

S P P S S P S T S P P S S P S S

Option 3: P S T S P T T

S P P S T P S T S S P T S P S T

Option 4: S T S P S T T

S P S T / S P S T / S P S T / S P S T

Option 4 forms a particular pattern.

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

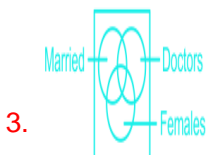
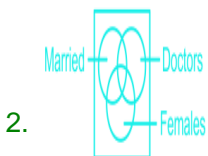
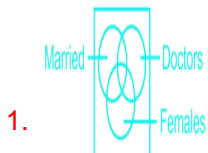
Question 23 :

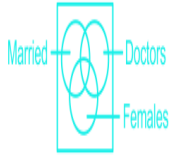
Select the Venn diagram that best represents the relationship between the following. Doctors, Married, Females

Difficulty : Moderate

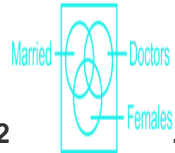
Average Time : 94 Seconds

Options :





Solution :



The correct answer is **option 2**

The possible Venn diagram is:



Some doctors are married. Some females are married. Some doctors are females.

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

Question 24 :

In a certain code language, 'SANCTION' is written as 'TZOBUHPM'. How will 'TELEWISE' be written in that language?

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. UDMDUHTF
2. UDNDWGTF
3. SFKGUHRD
4. UDMDWHTD

Solution :

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

The logic used here is:

'SANCTION' is written as 'TZOBUHPM'

$$S + 1 = T$$

$$A - 1 = Z$$

$$N + 1 = O$$

$$C - 1 = B$$

$$T + 1 = U$$

$$I - 1 = H$$

$$O + 1 = P$$

$$N - 1 = M$$

Similarly,

Code for the word TELEWISE:

$$T + 1 = U$$

$$E - 1 = D$$

$$L + 1 = M$$

$$E - 1 = D$$

$$V + 1 = W$$

$$I - 1 = H$$

$$S + 1 = T$$

$$E - 1 = D$$

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

Question 25 :

Study the given matrix carefully and select the number from among the given options that can replace the question mark (?) in it. $\begin{matrix} 6 & 18 & 42 & 5 & 15 & ? & 7 & 36 & 61 \end{matrix}$

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. 25

2. 45

3. 53

30

Solution :

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

The logic used here is:

$$\text{Row 1: } 6^2 + (18 \div 3) = 36 + 6 = 42$$

$$\text{Row 2: } 5^2 + (15 \div 3) = 25 + 5 = 30$$

$$\text{Row 3: } 7^2 + (36 \div 3) = 49 + 12 = 61$$

Question 26 :

Select the letter cluster from among the given options that can replace the question mark (?) in the following series. KMTC, EVOM, OQXG, IZSQ, ?

Difficulty : Moderate**Average Time : 40 Seconds****Options :**

1. SUBK
2. SUCL
3. TVBK
4. SVCK

Solution :

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

Given series: KMTC, EVOM, OQXG, IZSQ, ?

The series follows this pattern:

KMTC, EVOM

Reverse the letters:

KMTC - CTMK

$C + 2 = E$, $T + 2 = V$, $M + 2 = O$, $K + 2 = M$

Similarly;

IZSQ, ?



IZSQ - QSZI

$Q + 2 = S, S + 2 = U, Z + 2 = B, I + 2 = K$

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

Question 27 :

As per the Union Budget 2021-22, the government plans to continue on the path of fiscal consolidation, achieving a fiscal deficit level below 4.5% of GDP by _____.

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. 2023-24
2. 2022-23
3. 2024-25
4. 2025-26

Solution :

The correct answer is **option 4** i.e. **2025-26**.

As per the Union Budget 2021-22, the government plans to continue on the path of fiscal consolidation, achieving a fiscal deficit level below **4.5% of GDP by 2025-26**

- **The fiscal deficit** is the difference between the government's total expenditure and its **total receipts (excluding borrowing)**. A fiscal deficit occurs when this expenditure exceeds the revenue generated.
- **Fiscal Deficit = Total Expenditure (Revenue Expenditure + Capital Expenditure) – (Revenue Receipts + Recoveries of Loans + Other Capital Receipts (all Revenue and Capital Receipts except loans taken))**.
- Fiscal deficit estimated at 6.4% of GDP in 2022-23.

Question 28 :

How many female members were part of the Constituent Assembly that framed the Constitution of India?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 10
2. 12
3. 15



14

Solution :

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

Out of 389 members of the Constituent Assembly, only 15 were women. Know more about the women who had a hand in creating the Constitution of India.

1. **Sarojini Naidu**, Bahadur Nightingale
2. **Dakshinayani Velayudhan**, the only **Dalit woman** on this committee, and a social champion
3. **Aijaz Rasool**, and the Dream of an Egalitarian India
4. **Renuka Ray** fights for women's legal rights
5. Malti Choudhary's commitment to Gandhi's Satyagraha
6. Contribution of Leela Roy to Women's Education
7. Anne Mascarene, First Lady of Many
8. Socialism of Poornima Banerjee
9. **Hansa Mehta** and the Power of the Pen
10. Ammu Swaminathan, a feminist and film buff
11. Kamla Choudhary fought with her family for the country
12. **Sucheta Kriplani's** illustrious political career
13. We are indebted to one of the top medical institutes in India, **Rajkumari Amrit Kaur**
14. Durgabai Deshmukh and Nari Shakti
15. **Vijaya Lakshmi Pandit**

Question 29 :

The number of deaths during the first 28 completed days of life per 1000 live births in a given year or period is defined as _____.

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

1. **Infant mortality rate**
2. **Crude mortality rate**
3. **Neonatal mortality rate**
4. **Age-specific mortality rate**

Solution :

The correct answer is **option 3** i.e. **Neonatal mortality rate**.

The number of deaths during the first 28 completed days of life per 1000 live births in a given year or period is defined as the **neonatal mortality rate**.

- **The first 28 days of life** – the neonatal period – is the most vulnerable time for a child’s survival. Children face the highest risk of dying in their first month of life at **an average global rate of 17 deaths per 1,000 live births in 2020, down by 54 percent from 37 deaths per 1,000 in 1990.**
- The current neonatal mortality rate in India is **20 deaths per 1,000.**
- **Infant mortality** is the death of an infant before his or her first birthday. The infant mortality rate is the number of infant deaths for every 1,000 live births.
- The infant mortality rate in India is **27 per 1,000.**

Question 30 :

The Right of Children to Free and Compulsory Education Act 2009 is an Act of Parliament which came into force in:

Difficulty : Moderate

Average Time : 75 Seconds

Options :

1. 2012
2. 2011
3. 2010
4. 2009

Solution :

The correct answer is **option 3** i.e. **2010**.

The right of Children to Free and Compulsory Education Bill, 2008, passed in both Houses of Parliament in **2009**. The law received President’s assent in August 2009 and came into force on **1 April 2010**.

- India became one of **135 countries** where education is a fundamental right of every child.
- The RTE is the consequential legislation envisaged under the **86th Amendment**.
- The **86th Constitutional Amendment (2002)** inserted **Article 21A** in the Indian Constitution which states:
 - “The State shall provide free and compulsory education to all children of **6 to 14 years** in such manner as the State, may by law determine.”

Question 31 :

Who among the following is the author of the book ‘Social Harmony’?

Difficulty : Moderate

Average Time : 63 Seconds

Options :



HD Deve Gowda

2. Manmohan Singh

3. Narendra Modi

4. PV Narsimha Rao

Solution :

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

Narendra Modi is the author of the book '**Social Harmony**'. Originally **published in 2012**, It was written before Modi become the Prime Minister of India.

1. This book is a collection of **Narendra Modi's articles that highlight his passion** for the underprivileged, his efforts to share their joys and sorrows, the excellence of his thinking processes, and his sensitivity to society.
2. Narendra Damodardas Modi is an Indian politician who, since 2014, has served as **India's 14th** and current Prime Minister. He served as Gujarat's Chief Minister from **2001 to 2014** and is a Member of Parliament for **Varanasi**.
3. He is the **first prime minister born in Independent India** and also the first to win **two consecutive terms with a complete majority** outside the Indian National Congress and the second to complete more than five years in office after **Atal Bihari Vajpayee**.

Question 32 :

The idea of having a provision for a Bicameral Parliament in the Constitution of India was borrowed from the _____ Constitution.

Difficulty : Moderate

Average Time : 80 Seconds

Options :

1. French
2. Canadian
3. Irish
4. British

Solution :

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

The idea of having a provision for a **Bicameral Parliament** in the Constitution of India was borrowed from the **British Constitution**.

Provisions borrowed from British Constitution are:

Parliamentary government

- Rule of Law
- Legislative procedure
- **Single citizenship**
- Cabinet system
- Prerogative writs
- Parliamentary privileges
- **Bicameralism**

Question 33 :

Splashing the mud and racing across the fields, the roaring buffalos raced by a man are typical sights for which of the following festivals of Karnataka?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Kambala
2. Pattadakal
3. Karaga
4. Mahamastakabhisheka

Solution :

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

A) **Kambala** is an annual festival celebrated in the **Dakshina Kannada district of Karnataka**. The festival involves the traditional buffalo race, a popular and unique sport among the farming community of the state.

B) This yearly event is celebrated with much enthusiasm and fervour in most parts of Dakshina Kannada, including Mangalore. The Kambala festival season **starts in November and lasts till March**.

Question 34 :

Odisha has set _____ as the target year for providing 100% functional household tap water connections in every rural household.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 2022-23
2. 2023-24

2024–25

4. 2025–26

Solution :

The correct answer is **option 2** i.e. **2023–24**.

- A) **Odisha Chief Minister Naveen Patnaik** has set **2023-24** as the target year for providing 100% functional household tap water connections in every rural household.
- B) Every rural household in Odisha will get a tap water connection by 2024, according to the Jal Jeevan Mission (JJM) annual action plan presented by the State to the Ministry of Jal Shakti. Meanwhile, **Haryana** will achieve the same target by November 1, 2022, as per the JJM annual action plan.
- C) The **Jal Jeevan Mission, launched in 2019**, envisions providing safe and adequate drinking water through individual household tap connections to all households in rural India by 2024.

Question 35 :

A _____ tank is an underground chamber made of concrete, fiberglass, or plastic through which domestic wastewater (sewage) flows for basic treatment.

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. Soap
2. Pressure
3. Flush
4. Septic

Solution :

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

A **septic tank** is an underground chamber made of concrete, fiberglass, or plastic through which domestic wastewater (sewage) flows for basic treatment.

A) **Septic tank** systems are a type of **onsite sewage facility (OSSF)**. They can be used in areas that are not connected to a sewerage system, such as rural areas. The treated liquid effluent is commonly disposed of in a septic drain field which provides further treatment. However, groundwater pollution may occur and can be a problem.

Question 36 :

_____ is the first woman hockey player to receive the Rajiv Gandhi Khel Ratna Award.



Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Rani Rampal
2. Vandana Katariya
3. Nikki Pradhan
4. Sharmila Devi

Solution :

The correct answer is **option 1** i.e. **Rani Rampal**.

Rani Rampal is an Indian field hockey player from Haryana. She was the first female hockey player to have won the **Rajiv Gandhi Khel Ratna Award**.

- The Indian women's Hockey team captain Rani Rampal is the **World Games Athlete of the Year 2019**, thus becoming the first-ever hockey player to win the prestigious World Games Athlete of the Year Award.
- In 2020 the Government of India honoured her with the **Padma Shri**.
- At the age of 15, she was the **youngest player** in the national team which participated in the 2010 World Cup.

Question 37 :

Which of the following is an example of monosaccharides? A. Fructose B. Sucrose C. Starch D. Glucose

Difficulty : Moderate

Average Time : 69 Seconds

Options :

1. Only C
2. Both A and D
3. Both B and C
4. Only B

Solution :

The correct answer is **option 2** i.e. **Both A and D**.

Monosaccharides are the **fundamental unit of carbohydrates** that cannot be further hydrolyzed into smaller components.

A) The general formula of monosaccharides is $C_n \cdot H_{2n} \cdot O_n$. The chemical formula for **glucose and fructose** is $C_6 \cdot H_{12} \cdot O_6$ and for Ribose is $C_5 \cdot H_{10} \cdot O_5$. Thus, glucose, fructose, and ribose are monosaccharides.



Question 38 :

_____ was conferred the honorary rank of General of the Nepali Army in November 2020.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. General MM Naravane
2. Air Chief Marshal RKS Bhadauria
3. General Bipin Rawat
4. Admiral Karambir Singh

Solution :

The correct answer is **option 1** i.e. **General MM Naravane**.

MM Naravane was conferred the honorary rank of **General of the Nepali Army** in November 2020.

1. He was honored at a special ceremony at '**Sheetal Niwas**', the official residence of the President in Kathmandu.
2. He was also presented with a sword and scroll during the ceremony. After the ceremony, General Naravane called on President Bhandari and expressed his gratitude for the honor accorded to him.
3. **Commander-in-Chief General KM Cariappa** was the first Indian Army Chief to be conferred with this title in 1950.
4. **Nepalese Army Chief General Purna Chandra Thapa** was also made an Honorary General of the Indian Army by President Ram Nath Kovind at a ceremony in New Delhi.

Question 39 :

Poor sanitation conditions may NOT be the likely reason behind which of the following diseases/conditions?

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. Polio
2. Arthritis
3. Typhoid
4. Cholera

Solution :

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

Poor sanitation conditions may NOT be the likely reason behind **Arthritis**.



Arthritis is a condition in which one or more joints enlarge and become tender. Joint pain and stiffness are the most common symptoms of arthritis, which normally worsen with age.

- The most common types of arthritis are **osteoarthritis and rheumatoid arthritis**.
- **Osteoarthritis** causes cartilage — the hard, slippery tissue that covers the ends of bones where they form a joint — to break down.
- **Rheumatoid arthritis** is a disease in which the immune system attacks the joints, beginning with the lining of joints.

Question 40 :

Which two kings fought in the Battle of Hydaspes?

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. Chandragupta and Dhana Nanda
2. Ashoka and Mahapadmanabha
3. Mihirakula and Yasodharman
4. Alexander and Porus

Solution :

The correct answer is **option 4** i.e. **Alexander and Porus**.

Battle of Hydaspes. Between Alexander and King Porus on the banks of the river Hydaspes(Jhelum) in 326 BCE.

A) **Battle of the Hydaspes, (326 BCE)**, the fourth and last pitched battle fought by Alexander the Great during his campaign of **conquest in Asia**. Although Alexander won this battle against a valiant Porus, his battalions refused to venture further dreading the great Magadha armies which lay across the plains.

B) It took place on the **bank of the Jhelum River** (called hydaspes by the ancient Greeks)in the **Punjab area** of India(modern-day Punjab, Pakistan).

C) **Alaxendor III** of the Mecedon, also known as **Alexander the Great**, was the monarch of Mecedon in ancient Greece.

Question 41 :

_____ refers to a sanitation system in which toilets collect human excreta in sealable, removable cartridges that are transported to treatment facilities.

Difficulty : Moderate

Average Time : 73 Seconds

Options :

1. Ecological sanitation



Dry sanitation

3. Container-Based sanitation

4. Community-led total sanitation

Solution :

The correct answer is **option 3** i.e. **Container-Based sanitation**.

- **Container-based sanitation (CBS)** is a **sanitation service** that provides toilets that collect human excreta in sealable, removable containers on a regular basis and safely dispose of or reuse excreta.
- This type of sanitation involves a commercial service that provides certain types of portable toilets and delivers empty containers when picking up full ones.
- The service transports and safely disposes of or reuses collected excreta.
- The cost of collection of excreta is usually borne by the users.

Question 42 :

Justice NV Ramana, appointed as the 48th Chief Justice of India, hails from which of the following states?

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. Andhra Pradesh
2. Karnataka
3. Maharashtra
4. Kerala

Solution :

The correct answer is **option 1** i.e. **Andhra Pradesh**.

Justice NV Ramana, appointed as the 48th Chief Justice of India, hails from **Ponnavaaram Village, Krishna District in Andhra Pradesh** and is a first-generation lawyer.

- He is the **second CJI** from the state of Andhra Pradesh.
- He was appointed as a permanent Judge of the **Andhra Pradesh High Court on June 27, 2000**. He functioned as Acting Chief Justice of the Andhra Pradesh High Court from March 10, 2013 to May 20, 2013.
- Appointment of acting Chief Justice is to be made by the President under **Article 126** of the Constitution.

Question 43 :

The pilgrimage sites of Nasik, Triyambak and Bhadrachalam lie on the banks of which of the following rivers?



Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. Godavari
2. Krishna
3. Brahmaputra
4. Narmada

Solution :

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

The pilgrimage sites of Nasik, Triyambak and Bhadrachalam lie on the banks of the Godavari River.

- **Nashik Kumbh Mela** is a Hindu religious mela and is held every 12 years in the Nasik district of Maharashtra. The fair is celebrated on the river of sacred river Godavari. The significant festivities include bathing on the banks of river Godavari, at the **Trimbakeshwar Shiva Temple and the Ram Kund**.
- Godavari river system, The river with **the second longest course within India**, Godavari is often referred to as the **Vridhd (Old) Ganga** or the Dakshin (South) Ganga.
- It rises at **Trimbakeshwar, near Nasik and Mumbai** (formerly Bombay) in Maharashtra around 380 km distance from the Arabian Sea.

Question 44 :

Which bank is referred to as 'The lender of last resort'?

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. Central Bank
2. World Bank
3. State Bank
4. Dena Bank

Solution :

The correct answer is **option 1** i.e. **Central Bank**.

A) A **lender of last resort** is an institution, usually a **country's central bank**, that offers loans to banks or other eligible institutions that are experiencing financial difficulty or are considered highly risky or near collapse.



B) The lender of last resort functions to protect individuals who have deposited funds and to prevent customers from withdrawing out of panic from banks with temporarily limited liquidity. **Commercial banks** usually try not to borrow from the lender of last resort because such action indicates that the bank is experiencing a financial crisis.

C) As a Banker to Banks, the **Reserve Bank** also acts as the '**lender of the last resort**'.

Question 45 :

Why is water fluoridation, which is the controlled adjustment of fluoride to public water supply, done?

Difficulty : Moderate

Average Time : 68 Seconds

Options :

1. To prevent eye disease
2. To prevent vitamin deficiency
3. To prevent tooth decay
4. To prevent bone disease

Solution :

The correct answer is **option 3** i.e. **To prevent tooth decay**.

A) Water fluoridation **prevents tooth decay by providing frequent and consistent contact with low levels of fluoride**. Most water contains some **fluoride** but usually not enough to prevent cavities. Community water systems can add just the right amount of fluoride to local drinking water to prevent cavities.

Question 46 :

As per the Economic Survey 2020–21, net FPI (Foreign Portfolio Investment) recorded an all-time monthly high of US\$9.8 billion in _____.

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. October 2020
2. November 2020
3. September 2020
4. December 2020

Solution :

The correct answer is **option 2** i.e. **November 2020**.



A) As per the **Economic Survey 2020–21**, net FPI (Foreign Portfolio Investment) recorded an all-time monthly high of US\$9.8 billion in **November 2020**.

B) **Foreign portfolio investment (FPI)** is a common way to invest in overseas economies. It includes securities and financial assets held by investors in another country.

Question 47 :

Under which of the following rulers did Delhi first become a capital?

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Chauhans of Ajmer
2. Tomara Rajputs
3. Iltutmish Dynasty
4. Khilji Dynasty

Solution :

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

The capital of Delhi was first established by the **king, Anangapala from Tomara Dynasty**. Tomara Dynasty was one of the early medieval dynasties of northern India.

- The Tomara Dynasty ruled Delhi (Including Delhi and Haryana Region) during the **8th – 12th century (736 AD – 1160 AD)**.
- They were defeated by **Chauhans (Chahamanas of Shakambhari)** in the 12th Century.

Question 48 :

The efforts of Siddhendra Yogi have brought glory to the dance form called _____.

Difficulty : Moderate

Average Time : 51 Seconds

Options :

1. Mohiniyattam
2. Kathakali
3. Bharatanatyam
4. Kuchipudi

Solution :



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

The classical dance of Kuchipudi was developed by Siddhendra Yogi from the Bhamakalapam dance drama. The play Bhamakalpam deals with the Hindu god, Lord Krishna and his companions Satyabhama and Rukmini.

- A) Kuchipudi is one of eight classical dance styles of India.
- B) Kuchipudi is indigenous to the state of Andhra Pradesh and differs from the other five classical styles by the inclusion of singing.
- C) Kuchipudi is a dance-drama performance art that originated in a village in the Krishna district of Andhra Pradesh, India.

Question 49 :

In which of the following Indian states will you find the Buxa Fort?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Tamil Nadu
2. Odisha
3. West Bengal
4. Karnataka

Solution :

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

Buxa Fort is located at an altitude of 867 metres in the **Buxa Tiger Reserve**, Jalpaiguri district, **West Bengal**.

- Buxa Tiger Reserve is a **National Park** in northern West Bengal, India covering an area of 760 sq km.
- Buxa Tiger Reserve was created in 1983 as the 15th tiger reserve in India.
- Its northern boundary runs along the international border with **Bhutan**.

Question 50 :

Which of the following cities will be known as 'the sports city of India' from February 2021?

Difficulty : Moderate

Average Time : 55 Seconds

Options :

1. Bengaluru
2. Gurugram

Ahmedabad

4. Hyderabad

Solution :

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

In February 2021 —Home Minister Amit Shah said Ahmedabad will be known as the '**sports city of India**' after President Ram Nath Kovind on Wednesday inaugurated the magnificent Narendra Modi Cricket Stadium in Ahmedabad.

- The magnificent **Sardar Patel Stadium** in Ahmedabad's Motera was renamed Narendra Modi Cricket Stadium.
- This new sports complex has been built on an area of **about 17 acres**. This project is worth Rs **458 crore**.
- The **first pink-ball Test** between India and England was held in this stadium.

Question 51 :

Distribution of 1800 students in grades has been shown in the following pie chart . In which two grades taken together is the number of students 54 less than the number of students in grades B and E taken together ?

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. C and E
2. B and D
3. C and D
4. A and E

Solution :

The correct answer is **option 1** i.e. **C and E**

Solution :

The number of students in grade A = 30% of 1800 = 540

The number of students in grade B = 27% of 1800 = 486

The number of students in grade C = 24% of 1800 = 432

The number of students in grade D = 11% of 1800 = 198

The number of students in grade E = 8% of 1800 = 144

The sum of number of students in B and E taken together = 486 + 144 = 630



Now 54 less than $630 = 576$

Therefore from the above equations, $C + E = 576$.

Hence C and E are the grades whose sum of number of students is 54 less than the sum of number of students of B and E .

Question 52 :

What is the greatest number by which when 156 , 181 and 331 are divided, the remainder is 6 in each case ?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. 26

2. 25

3. 13

4. 17

Solution :

The correct answer is **option 2** i.e. **25**

Solution :

The greatest number that will divide x , y and z leaving a same remainder in each case is given by HCF of $|x - y|$, $|y - z|$ and $|z - x|$

Given that $x = 156$, $y = 181$ and $z = 331$

$$|156 - 181| = |-25| = 25$$

$$|181 - 331| = |-150| = 150$$

$$|331 - 156| = 175$$

Now $HCF(25, 150, 175) = 25$.

Hence the required number is 25 .

Question 53 :

A person sold an article at a loss of 18% . Had he sold it for $\text{Rs}960$ more, he would have gained 12% . If the article is sold for $\text{Rs}3,840$, then how much is the profit percentage ?

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

1. 20%
2. 21%
3. 15%
4. 24%

Solution :

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

Solution :

Let the cost price of the article be Rs. x

At 18% loss, s.p. = $82x/100$

Also at 12% gain, s.p. = $112x/100$

Given that the difference between the selling price = Rs. 960

$$112x/100 - 82x/100 = 960$$

$$30x = 96000$$

$$x = 3200$$

Hence c.p. = Rs. 3200

If the article is sold for Rs, 3840, profit = $3840 - 3200 = 640$

Profit percentage = $(640/3200) \times 100 = 20\%$.

Question 54 :

In $\triangle ACD$, B and E are two points on sides AC and AD respectively, such that BE is parallel to CD. CD = 9 cm, BE = 6 cm, AB = 5 cm and ED = 2 cm, What are the measures of the lengths (in cm) of AE and BC ?

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

1. 4, 2.5

4, 3

3. 3, 4

4. 2.5, 4

Solution :

The correct answer is **option 1** i.e. **4, 2.5**

Given:

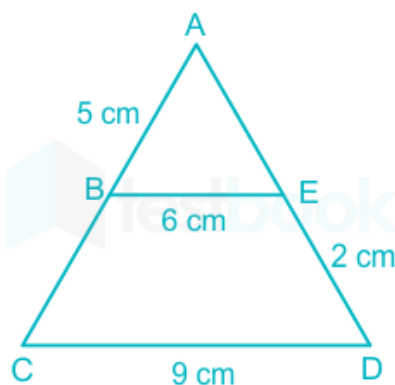
CD = 9 cm

BE = 6 cm

AB = 5 cm and

ED = 2 cm

Solution :



Since $BE \parallel CD$

$$AB/AC = BE/CD = AE/AD$$

Now, $AB/AC = 6/9$

$$5/AC = 2/3$$

$$AC = 15/2$$

$$AC = AB + BC = 7.5$$

$$AC = 5 + BC = 7.5$$

$$BC = 2.5 \text{ CM}$$



$$\text{Also, } AE/AD = 6/9$$

$$AE/(AE + ED) = 2/3$$

$$AE/(AE + 2) = 2/3$$

$$3AE = 2AE + 4$$

$$AE = 4.$$

Hence, measures of the lengths of AE and BC are 4 cm and 2.5 cm respectively.

Question 55 :

If $\tan^2 A + 2\tan A - 63 = 0$ Given that $0 < A < \frac{\pi}{2}$ what is the value of $(2\sin A + 5\cos A)$?

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

1. 1550
2. $\frac{19}{\sqrt{50}}$
3. $\frac{15}{\sqrt{50}}$
4. 19 50

Solution :

The correct answer is **option 2** i.e. $\frac{19}{\sqrt{50}}$

Solution :

$$\text{Given that } \tan^2 A + 2\tan A - 63 = 0$$

$$\text{Let } \tan A = x$$

$$\text{Then } x^2 + 2x - 63 = 0$$

$$x^2 + 9x - 7x - 63 = 0$$

$$x(x + 9) - 7(x + 9) = 0$$

$$(x - 7)(x + 9) = 0$$

$$x = 7 \text{ or } x = -9 \quad (\text{negative value is not considered})$$

Therefore, $\tan A = x = 7$

i.e. Perpendicular = 7 ; Base = 1

So $(\text{hypotenuse})^2 = (\text{perpendicular})^2 + (\text{base})^2$

$$(\text{hypotenuse})^2 = 7^2 + 1^2,$$

$$(\text{hypotenuse})^2 = 49 + 1$$

$$(\text{hypotenuse})^2 = 50$$

$$(\text{hypotenuse}) = \sqrt{50}$$

Now , $\sin A = \frac{7}{\sqrt{50}}$; $\cos A = \frac{1}{\sqrt{50}}$

$$\begin{aligned} \text{Required result is } (2\sin A + 5\cos A) &= (2 \times \frac{7}{\sqrt{50}}) + (5 \times \frac{1}{\sqrt{50}}) \\ &= \frac{19}{\sqrt{50}} \end{aligned}$$

Question 56 :

The following pie - chart show the number of the numberof students studying in different department of an institute during the academic year 2019 and 2020. The Total number of students was 2000 and 2400 in academic years 2019 and 2020, respectively. What is the percentage increase or decrease in the number of students of Engineering in 2020 as compared to2019 ?

Difficulty : Moderate

Average Time : 123 Seconds

Options :

1. 10.25%
2. 10.77%
3. 11.77%
4. 10.55%

Solution :

The correct answer is **option 2** i.e. **10.77%**

Solution :

the number of students of Engineering in 2019 = 13 % of 2000 = 260

the number of students of Engineering in 2020 = 12% of 2400 = 288

The increase of engineering students in 2020 as compared to 2019 = $288 - 260 = 28$

Required percentage = $(28/260) \times 100 = 10.769 \approx 10.77\%$.

Question 57 :

Simplify the following expression. $(\frac{3}{2} + 5\frac{1}{3}) \div 1\frac{1}{3} \times 5\frac{1}{4} - 5\frac{1}{2} \{ 1\frac{1}{2} \times 1\frac{2}{3} - 6\frac{1}{2} \} \div 7 \times 2$

Difficulty : Moderate

Average Time : 44 Seconds

Options :

1. $-\frac{5}{28}$
2. $\frac{13}{147}$
3. $29\frac{9}{32}$
4. $-\frac{5}{14}$

Solution :

The correct answer is **option 4** i.e. $-\frac{5}{14}$

Solution :

Simplifying the mixed fractions :

$$\text{Numerator} = \left(\frac{7}{2} + \frac{16}{3} \right) \div \left(1\frac{1}{3} \right) \times 5\frac{1}{4} - 5\frac{1}{2} \left(1\frac{1}{2} \times \frac{2}{3} - 6\frac{1}{2} \right) \div 7 \times 2$$

Applying BODMAS and solving, Numerator = 19

$$\text{Denominator} = \left(\frac{3}{2} - \frac{5}{3} - \frac{13}{2} \right)$$

By solving, denominator = $\left(-\frac{8}{2} \right) = -4$

Now applying the expression above,

$$\left(\frac{19}{-4} \right) \times 7 = \left(-\frac{19}{4} \right) \times 7 = -\frac{133}{4} = -\frac{5}{14}$$

Hence the value of $(\frac{3}{2} + 5\frac{1}{3}) \div 1\frac{1}{3} \times 5\frac{1}{4} - 5\frac{1}{2} \{ 1\frac{1}{2} \times 1\frac{2}{3} - 6\frac{1}{2} \} \div 7 \times 2$ is $-\frac{5}{14}$.

Question 58 :

If p is the third proportional to 8 , 20 and q is the fourth proportional to 3,5,24 , then find the value of (2p +q).

Difficulty : Moderate

Average Time : 73 Seconds



**Options :**

1. 126
2. 104
3. 140
4. 90

Solution :

The correct answer is **option 3** i.e. **140**

Concept used :

1. If 'c' is the third proportional of a and b then $c = b^2/a$
2. If d is the fourth proportion of a, b and c then $a/b = c/d$.

Solution :

Given that p is the third proportion of 8 and 20.

$$\text{Here } p = (20)^2/8$$

$$p = 50$$

Also its is given that q is the fourth proportion of 3, 5 and 24

$$\text{Here, } 3/5 = 24/q$$

$$q = (24 \times 5)/3$$

$$q = 40$$

Now the required result ,

$$(2p + q) = (2 \times 50) + 40 = 100 + 40 = 140.$$

Question 59 :

If $x = 4 + 15$, what is the value of $x^2 + (1/x)^2$?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 54
2. 48



72

4. 62

Solution :

The correct answer is **option 4** i.e. **62**

Solution :

Given $x = 4 + 15$

Now, $1/x = 1/(4 + 15)$

$1/x = 4 - 15$ (By rationalising)

Therefore the required value is

$$x^2 + (1/x)^2 = (4 + 15)^2 + (4 - 15)^2$$

$$= 16 + 15 + 815 + 16 + 15 - 815 = 31 + 31$$

$$x^2 + (1/x)^2 = 62.$$

Question 60 :

In a manufacturing unit , it was noted that the price of raw material has increased by 25% and the labour cost has gone up from 30% of the cost of raw material to 38% of the cost of raw material. What percentage of the consumption of raw material be reduced to keep the cost the same - as that before the increased ?

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

1. 20.7%
2. 30.2%
3. 25.5%
4. 24.6%

Solution :

The correct answer is **option 4** i.e. **24.6%**

Solution :

Let the cost price of the raw material be Rs. x

The new cost of raw material = Rs. $125x/100$

The cost of labour = $130x/100$

The new cost of labour = $(125x/100) \times (138/100)$

The reduction in consumption = $[(125x/100) \times (138/100)] - 130x/100 = 4250x/10000$

The percentage reduction = $[4250x/10000]/[(125x/100) \times (138/100)] \times 100$

$$= (4250x/10000) \times (100/125x) \times (100/138) \times 100$$

$$= 1700/69 = 24.6\%$$

Question 61 :

In $\triangle LMN$, the bisectors of L and N intersect at an angle of 112° . What is the measures (in degrees) of M ?

Difficulty : Moderate

Average Time : 69 Seconds

Options :

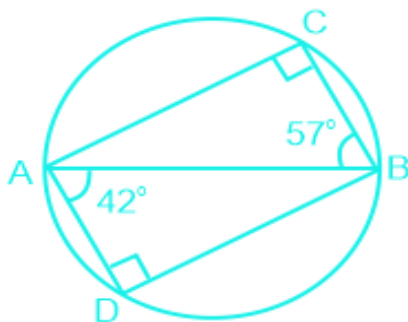
1. 62
2. 44
3. 72
4. 60

Solution :

The correct answer is **option 2** i.e. **44**

Solution :

Given : Angle bisectors of L and N intersect at an angle of 112° .



In $\triangle LMN$, The bisectors of L and N intersect at point O .

Using formula, $\angle LON = 90^\circ + M/2$



$$112^\circ = 90^\circ + M/2$$

$$M/2 = 112 - 90$$

$$M/2 = 22$$

$$M = 44^\circ$$

Question 62 :

The average of 52, 71, 43, 22, a, and b is 55 and the average of 42, 45, 49, 51, 42, c and d is 53. What is the average of a, b, c and d ?

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

1. 142
2. 54.7
3. 54
4. 71

Solution :

The correct answer is **option 4** i.e. **71**

Concept Used:

Sum of terms = Average \times number of terms

Given:

The average of 52, 71, 43, 22, a and b is 55

The average of 42, 45, 49, 51, 42, c and d is 53

Explanation:

$$\text{Sum of } (52 + 71 + 43 + 22 + a + b) = 55 \times 6 = 330$$

$$a + b = 330 - 188 = 142$$

$$\text{Sum of } (42 + 45 + 49 + 51 + 42 + c + d) = 53 \times 7 = 371$$

$$c + d = 371 - 229 = 142$$

Now, the average of a, b, c, d = $\frac{(\text{sum of } a, b, c, d)}{4} = \frac{284}{4} = 71$.



Hence the average of a, b, c, d is 71.

Question 63 :

If $a^2 + b^2 + c^2 = 6.25$ and $(ab + bc + ca) = 0.52$, What is the value of $(a + b + c)$?

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

1. ± 2.8
2. ± 2.7
3. -2.7
4. -2.8

Solution :

The correct answer is **option 2** i.e. ± 2.7

Concept used : $(a + b + c)^2 = a^2 + b^2 + c^2 + 2(ab + bc + ca)$.

Given :

1. $a^2 + b^2 + c^2 = 6.25$

2. $(ab + bc + ca) = 0.52$

Now $(a + b + c)^2 = 6.25 + 2(0.52)$

$$(a + b + c)^2 = 6.25 + 1.04$$

$$(a + b + c) = (7.29)^{1/2}$$

$$(a + b + c) = \pm 2.7$$

Question 64 :

The following bar graph shows the total of youth (in lakhs) and the number of employed youth (in lakhs) in 5 states A , B, C, D and E . Which state has the maximum number of unemployed youth ?

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

1. E
2. B



D

4. A

Solution :

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

Solution :

From the given graph,

The number of unemployed youth = total youth - employed youth

Unemployed youth in state A = $12 - 10.5 = 1.5$ lakh

Unemployed youth in state B = $8 - 7 = 1$ lakh

Unemployed youth in state C = $11.5 - 10 = 1.5$ lakh

Unemployed youth in state D = $10 - 7.5 = 2.5$ lakh

Unemployed youth in state E = $9 - 8 = 1$ lakh

Hence the state has the maximum number of unemployed youth is state D with 2.5 lakh unemployed youth.

Question 65 :

If the 7 -digit number $x8942y4$ is divided by 56, what is the value of $(x^2 + y)$ for the largest value of y , where x and y are natural numbers ?

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. 55

2. 33

3. 70

4. 44

Solution :

The correct answer is **option 1** i.e. **55**

Concept used :

1. Divisibility of 7 - The difference between twice the unit digit of the given number and the remaining part of the given number should be a multiple of 7 or it should be equal to 0.

2. Divisibility of 8 - If the last three digits of a number are divisible by 8, then the number is completely divisible by 8.

Solution :

Given that a 7-digit number is divisible by 56 which means it is divisible by both 7 and 8.

For the number to be divisible by 8, $2y4$ should be divisible by 8.

Therefore $y = 6$, 264 is divisible by 8.

Now, $x894264$ is divisible by 7

If we take $x = 7$, the number is divisible by 7.

Hence required value = $(x^2 + y) = (7^2 + 6) = 49 + 6 = 55$

Question 66 :

Two circles touch each other externally at T. RS is direct common tangent to the two circles touching the circles at P and Q, $\angle TPQ = 42^\circ$, $\angle PQT$ (in degrees) is :

Difficulty : Moderate

Average Time : 71 Seconds

Options :

1. 42

2. 48

3. 45

4. 60

Solution :

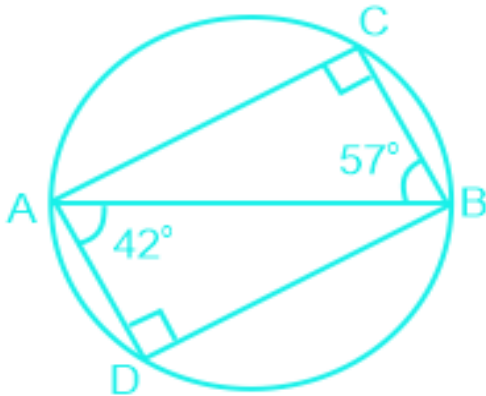
The correct answer is **option 2** i.e. **48**

Concept used :

1. Sum of all the angles of a triangle = 180°
2. Sum of all the angles on a straight line = 180°
3. Two tangents from same external point are equal.

Solution:

According to the given question,



From the figure,

OP and OT are the two tangents from same external point O

Then $OP = OT$ and $\angle OPT = \angle OTP = 42^\circ$

In $\triangle OPT$,

$$\angle OPT + \angle OTP + \angle POT = 180^\circ$$

$$42^\circ + 42^\circ + \angle POT = 180^\circ$$

$$\angle POT = 96^\circ$$

Now, $\angle POT$ and $\angle QOT$ lies on a same line, $\angle QOT = 180^\circ - 96^\circ = 84^\circ$

In $\triangle OQT$,

$$\angle QOT + \angle QTO + \angle OQT = 180^\circ$$

$$2 \angle OQT + 84^\circ = 180^\circ$$

$$2 \angle OQT = 96^\circ$$

$$\angle OQT = 48^\circ$$

Hence the required angle $\angle PQT = \angle OQT = 48^\circ$.

Question 67 :

If $\sec A = \frac{17}{8}$, given that $A < 90^\circ$, what is the value of the following ? $(\frac{34\sin A + 15\cot A}{68\cos A - 16 \tan A})$

Difficulty : Moderate

Average Time : 87 Seconds

Options :

1. 38



30

3. 23

4. 19

Solution :

The correct answer is **option 4** i.e. **19**

Concept used = $\sec A = (\text{hypotenuse}/\text{base})$

Solution :

Given $\sec A = 17/8$

Let Hypotenuse be $17x$ and base be $8x$,

then, Perpendicular = $15x$

Therefore, $\sin A = 15/17$; $\cos A = 8/17$; $\cot A = 8/15$; $\tan A = 15/8$

Applying the values in required equation,

$$\left(\frac{34\sin A + 15\cot A}{68\cos A - 16\tan A}\right) = \frac{(34 \times 15/17) + (15 \times 8/15)}{(68 \times 8/17) - (16 \times 15/8)} = \frac{(30 + 8)}{(32 - 30)} = \frac{38}{2} = 19.$$

Question 68 :

A can finish a piece of work in 48 days and B can finish it in 60 days . They work together for 12 days and then A goes away. In how much time (in days and hours) will B finished 25% of the remaining work ?

Difficulty : Moderate

Average Time : 60 Seconds

Options :

1. 8 days 8 hours
2. 8 days 6 hours
3. 6 days 6 hours
4. 6 days 4 hours

Solution :

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

Solution :

Let the total work (LCM of 48 and 60) be 240 units.

Efficiency of A = $240/48 = 5$ units/day

Efficiency of B = $240/60 = 4$ units/day

They worked together for 12 days, so the work done by (A + B) in 12 days = $(5 + 4) \times 12 = 108$ units.

The remaining work = $(240 - 108) = 132$ units

The time taken by B alone to complete 25 % of the remaining work

$[132 \times (25/100)]/4 = 33/4 = \frac{1}{4}$ days

Hence the required time = 8 days 6 hours

Question 69 :

A kite is attached to a string. Find the length of the string (in m) when the height of the kite is 90 m and the string makes an angle of 30° with the ground.

Difficulty : Moderate

Average Time : 61 Seconds

Options :

1. 180
2. 603
3. 45
4. 903

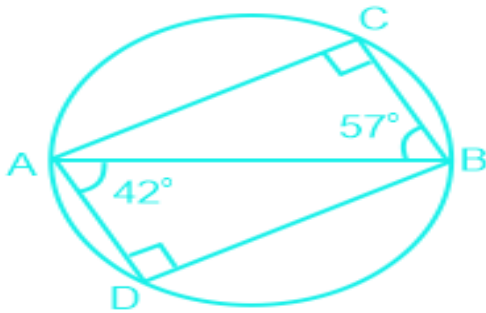
Solution :

The correct answer is **option 1** i.e. **180**

Concept used : $\sin A = \text{perpendicular/hypotenuse}$.

Solution :

According to question ,



From the figure, $\sin P = \frac{\text{height of kite}}{\text{length of string}}$

$$\sin 30^\circ = \frac{90}{\text{length of string}}$$

$$\text{Length of string} = \frac{90}{\sin 30^\circ}$$

$$\text{Length of string} = 180 \text{ m}$$

Hence required length of string is 180 m.

Question 70 :

A boatman can row a boat in still water at a speed of 9 km/h. He can also row 44 km downstream and 35 km upstream in 9 hours. How much time (in hours) will he take to row 33 km downstream and 28 km upstream ?

Difficulty : Moderate

Average Time : 64 Seconds

Options :

1. 5
2. 8
3. 7
4. 6

Solution :

The correct answer is **option 3** i.e. 7

Given:

Speed of boat in still water = 9 km/h

A boatman can also row 44 km downstream and 35 km upstream in 9 hours.

Concept used :

Distance/speed = time

**Explanation:**

The speed of boat in still water = 9 km/h

Let the speed of current be x km/h.

Then, speed in downstream = $(9 + x)$ km/h

And, speed in upstream = $(9 - x)$ km/h

According to the question ,

$$[44/(9 + x)] + [35/(9 - x)] = 9$$

$$44(9 - x) + 35(9 + x) = 9(9^2 - x^2) \quad (\text{By taking LCM})$$

$$396 - 44x + 315 + 35x = 729 - 9x^2$$

$$9x^2 - 9x - 18 = 0$$

$$x^2 - x - 2 = 0$$

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

$$(x - 2)(x + 1) = 0$$

$$x = 2$$

Hence the speed of stream = 2 km/h

Now, required time,

$$[33/(9 + 2)] + [28/(9 - 2)] = 3 + 4 = 7 \text{ hours.}$$

Hence he take 7 hours to row 33 km downstream and 28 km upstream.

Question 71 :

Study the given histogram that shows the height (in cm) of 100 students in an athletic team and answer the question that follows . Express the number of students with height less than 170 cm as the percentage (correct to one decimal place) of the number of students with height more than 160 cm.

Difficulty : Moderate

Average Time : 94 Seconds

Options :

1. 73.5%

2. 53.7%



46.3%

4. 29.1%

Solution :

The correct answer is **option 3** i.e. **46.3%**

Solution :

number of students with height less than 170 cm = $(6 + 12 + 20) = 38$

number of students with height more than 160 cm = $(20 + 24 + 18 + 16 + 4) = 82$

Required percentage = $(38/82) \times 100 = 46.3$.

Hence the required percentage is 46.3 %.

Question 72 :

The reduction of 15% in the price of salt enables a person to buy 2 kg more for Rs 272, the reduced price of salt per kg (in Rs) is :

Difficulty : Moderate

Average Time : 43 Seconds

Options :

1. 22.16

2. 24.25

3. 20.40

4. 25.00

Solution :

The correct answer is **option 3** i.e. **20.40**

Solution :

The formula to calculate reduced price is

Reduced price = $(x/100y) \times A$

Where, A = given amount

x = reduction in the price

y = quantity



$$R.P. = (15/200) \times 272$$

$$R.P. = (3 \times 68)/10$$

$$R.P. = 20.4$$

Hence the reduced price is Rs. 20.40

Question 73 :

A 35 cm high bucket in the form of a frustum is full of water. Radii of its lower and upper ends are 12 cm and 18 cm, respectively. If water from this bucket is poured in a cylindrical drum, whose base radius is 20 cm, then what will be the height of water (in cm) in the drum ?

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. 18.25
2. 19.95
3. 20.50
4. 16.25

Solution :

The correct answer is **option 2** i.e. **19.95**

Solution :

According to question

Volume of frustum = Volume of cylinder

$$\frac{1}{3} H (R^2 + Rr + r^2) = \pi r^2 \times h$$

$$\frac{1}{3} \times \frac{22}{7} \times 35 (144 + 216 + 324) = \frac{22}{7} \times 400 \times h$$

$$\frac{35}{3} \times 684 = 400 \times h$$

$$h = (35 \times 684)/1200$$

$$h = 19.95 \text{ cm}$$

Question 74 :

A sum of money was borrowed and paid back in two equal annual instalments of Rs980, allowing 4% compound interest. The sum (in Rs, to nearest tens) borrowed was :

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. 1,960
2. 1,850
3. 1,760
4. 2,050

Solution :

The correct answer is **option 2** i.e. **1,850**

Solution :

The general formula for equal installments is:

$$P = \frac{X}{(1 + r/100)^n} + \dots + \frac{X}{(1 + r/100)^2} + \frac{X}{(1 + r/100)}$$

According to the question,

$$P = \frac{980}{(1 + 4/100)^2} + \frac{980}{(1 + 4/100)}$$

$$P = (980 \times 625)/676 + (980 \times 25)/26$$

$$P = 906.065 + 942.307$$

$$P = 1848.372 \quad 1850.$$

Question 75 :

AB is the diameter of a circle with centre O. C and D are two points on the circumference of the circle on either side of AB, such that $\angle CAB = 42^\circ$ and $\angle ABD = 57^\circ$. What is difference (in degrees) between the measures of $\angle CAD$ and $\angle CBD$?

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. 81 and 99
2. 105 and 75
3. 75 and 105
4. 99 and 81

Solution :

The correct answer is **option 3** i.e. **75 and 105**

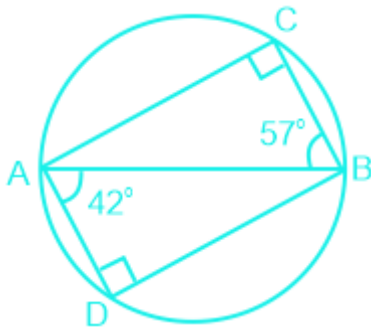
Solution :

Given : C and D are the points on the circumference of the circle

$$CAB = 42^\circ \text{ and } ABD = 57^\circ$$

Concept used : The angle subtended by the diameter to the circumference of the circle is a right angle , i.e. $ACB = ADB = 90^\circ$

Now,



From the figure,

In $\triangle ACB$,

$$ACB + ABC + BAC = 180^\circ$$

$$90^\circ + 57^\circ + BAC = 180^\circ$$

$$BAC = 33^\circ$$

Also in $\triangle ADB$,

$$ADB + ABD + BAD = 180^\circ$$

$$90^\circ + 42^\circ + ABD = 180^\circ$$

$$ABD = 48^\circ$$

Now require measurements are CAD and CBD.

$$\text{Therefore, } CAD = BAC + BAD = 33^\circ + 42^\circ = 75^\circ$$

$$\text{Similarly, } CBD = ABD + ABC = 48^\circ + 57^\circ = 105^\circ$$

Hence $CAD = 75^\circ$ and $CBD = 105^\circ$.

**Question 76 :**

Select the option that expresses the given sentence in active voice. Trumpets are being blown by the soldiers to announce the victory.

Difficulty : Moderate**Average Time : 89 Seconds****Options :**

1. The soldiers were blowing the trumpets to announce the victory.
2. The soldiers blow the trumpets to announce the victory.
3. The soldiers blew the trumpets to announce the victory.
4. The soldiers are blowing the trumpets to announce the victory.

Solution :

The correct answer is **option 4** i.e. **The soldiers are blowing the trumpets to announce the victory.**

Given sentence: Trumpets are being blown by the soldiers to announce the victory. (Passive voice)

Structure of passive voice: Objective case of subject + is/am/are + being + V3 + by + Subjective case of object

Structure of active voice: Subject + is/am/are + V1 + ing + Object

Sentence in active voice: The soldiers are blowing the trumpets to announce the victory.

Question 77 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. Your name / precedes before mine / in the / admission list.

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

1. admission list
2. in the
3. precedes before mine
4. Your name

Solution :

The correct answer is **option 3** i.e. **precedes before mine.**

Given sentence: Your name / precedes before mine / in the / admission list.



The use of the preposition 'before' is superfluous.

Correct sentence: Your name / **precedes mine** / in the / admission list.

Question 78 :

Select the option that can be used as a one-word substitute for the given group of words. A glass container to keep fish

Difficulty : Moderate

Average Time : 46 Seconds

Options :

1. Beaker
2. Aquarium
3. Vase
4. Atrium

Solution :

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

One Word Substitution means using a specific word to replace a wordy phrase or sentence and making it shorter, concise, and clearer to understand.

A glass container to keep fish is known as an aquarium.

A drinking container, typically made of plastic is known as a beaker.

A decorative container without handles, used as an ornament or for displaying cut flowers is known as a vase.

The central court or main room of an ancient Roman house is known as an atrium.

Question 79 :

Select the option that can be used as a one-word substitute for the given group of words. A sound that cannot be heard

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. Audible
2. Inaudible
3. Indelible



Inedible

Solution :

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

One Word Substitution means using a specific word to replace a wordy phrase or sentence and making it shorter, concise, and clearer to understand.

A sound that cannot be heard is known as inaudible.

Audible means able to be heard.

Indelible means making marks that cannot be removed.

Inedible means not fit or suitable for eating.

Question 80 :

Select the most appropriate ANTONYM of the given word. Camaraderie

Difficulty : Moderate

Average Time : 49 Seconds

Options :

1. Friendship
2. Amity
3. Dislike
4. Companionship

Solution :

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

Antonym: a word opposite in meaning to another.

Camaraderie means mutual trust and friendship among people who spend a lot of time together.

Dislike is the correct antonym that means feel distaste for or hostility towards.

Meaning of other words:

Friendship: a relationship between friends.

Amity: friendly relations.



Companionship: a feeling of fellowship or friendship.

Question 81 :

Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. The student apologized the teacher for the delay in submitting the assignment.

Difficulty : Moderate

Average Time : 59 Seconds

Options :

1. No substitution required
2. apologized to the teacher
3. is apologising the teacher
4. has apologized the teacher

Solution :

The correct answer is **option 2** i.e. **apologized to the teacher**.

Incorrect sentence: The student apologized the teacher for the delay in submitting the assignment.

In the given sentence, the verb apologized should be followed by the preposition to.

Correct sentence: The student **apologized to the teacher** for the delay in submitting the assignment.

Question 82 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. No sooner did / the child start crying / then the mother / hugged him.

Difficulty : Moderate

Average Time : 54 Seconds

Options :

1. the child start crying
2. No sooner did
3. hugged him
4. then the mother

Solution :

The correct answer is **option 4** i.e. **then the mother**.



Given sentence: No sooner did / the child start crying / then the mother / hugged him.

"No sooner' is always followed by 'than'.

Correct sentence: No sooner did / the child start crying / **than the mother** / hugged him.

Question 83 :

Select the most appropriate synonym of the given word. Smooth

Difficulty : Moderate

Average Time : 45 Seconds

Options :

1. Uneven
2. Flat
3. Broken
4. Rough

Solution :

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

Synonym: Words that have the same or nearly the same meaning.

Given word: Smooth

Meaning: a flat, regular surface or appearance.

The word that seems to be its synonym is 'Flat' as it means having a level surface; without raised areas or indentations.

Meaning of other words:

Uneven: not level or smooth.

Broken: having breaks or gaps in continuity.

Rough: having an uneven or irregular surface; not smooth or level.

Question 84 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. The recently hike / in the price of petroleum products / will hit / household budgets severely.

Difficulty : Moderate

Average Time : 62 Seconds

Options :

The recently hike

- household budgets severely
- in the price of petroleum products
- will hit

Solution :

The correct answer is **option 1** i.e. **The recently hike**.

Given sentence: The recently hike / in the price of petroleum products / will hit / household budgets severely.

Recently should be replaced by recent as it is an adjective and an adjective is used to modify a noun.

Correct sentence: **The recent hike** / in the price of petroleum products / will hit / household budgets severely.

Question 85 :

Select the option that gives the most appropriate meaning of the underlined idiom. It is good to take into account all the important factors before making a decision.

Difficulty : Moderate

Average Time : 54 Seconds

Options :

- control
- select
- consider
- leave

Solution :

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

Idioms: A group of words established by usage as having a meaning not deducible from those of the individual words.

"Take into account" means to consider or regard.

Example: His plan did not take into account the possibility of rain.

Question 86 :

Select the option that expresses the given sentence in active voice. How many candidates had been interviewed by him before lunch?

Difficulty : Moderate

Average Time : 48 Seconds

Options :

1. How many candidates has he interviewed before lunch?
2. How many candidates had he interviewed before lunch?
3. How many candidates did he interview before lunch?
4. How many candidates was he interviewing before lunch?

Solution :

The correct answer is **option 2** i.e. **How many candidates had he interviewed before lunch?**

Given sentence: How many candidates had been interviewed by him before lunch? (Passive voice)

Structure of passive voice: Object + has / had + been + V2 + Subject

Structure of active voice: Subject + had + V2 + Object

Sentence in active voice: How many candidates had he interviewed before lunch?

Question 87 :

Select the correctly spelled word.

Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. Weird
2. Prepair
3. Recieive
4. Cansel

Solution :

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

The correctly spelled word is "Weird".

Meaning: suggesting something supernatural, or unearthly.

Example: He was sitting alone by a window with a weird contraption on the table in front of him.

Question 88 :

The following sentence has been split into four segments. Identify the segment that contains a grammatical error. It is not worth / having the trouble / to write to him / as he never replies.



Difficulty : Moderate

Average Time : 47 Seconds

Options :

1. to write to him
2. as he never replies
3. having the trouble
4. It is not worth

Solution :

The correct answer is **option 3** i.e. **having the trouble**.

Given sentence: It is not worth / having the trouble / to write to him / as he never replies.

'Having the trouble' should be used instead of 'having the trouble'. As it means to make an effort.

Correct sentence: It is not worth / **taking the trouble** / to write to him / as he never replies.

Question 89 :

Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'. Computer crime have been in the news since the nineteen eighties.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. has been in the news from
2. No substitution required
3. has been on the news since
4. has been in the news since

Solution :

The correct answer is **option 4** i.e. **has been in the news since**.

Incorrect sentence: Computer crime have been in the news since the nineteen eighties.

Correct sentence: Computer crime **has been in the news since** the nineteen eighties.

In the given sentence, computer crime is a singular subject, so has should be instead of have.

Question 90 :

Select the option that gives the most appropriate meaning of the underlined idiom. I am working on too many projects. I



think I have bitten off more than I can chew.

Difficulty : Moderate

Average Time : 56 Seconds

Options :

1. To take on more than one can handle
2. To find work dull
3. Not able to finish work
4. To be happy to multitask

Solution :

The correct answer is **option 1** i.e. **To take on more than one can handle.**

Idioms: A group of words established by usage as having a meaning not deducible from those of the individual words.

"Have bitten off more than I can chew" means someone is trying to do something which is too difficult for them.

Example: He bought the old hotel but soon realized he had bitten off more than he could chew.

Question 91 :

Select the most appropriate option to fill in the blank. Their idea of a holiday _____ at a luxury resort.

Difficulty : Moderate

Average Time : 58 Seconds

Options :

1. is relaxed
2. is to relaxing
3. is relax
4. is relaxing

Solution :

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

The most appropriate word for the filler is 'is relaxing', as 'idea' is a singular subject, so, a singular verb should be used.

Question 92 :

Given below are four jumbled sentences. Select the option that gives their correct order. A. Our amusements have little zest if we engage in them in solitude. B. Friendship increases happiness and diminishes misery. C. It doubles our joys and divides our grief. D. When we do well, it is delightful to have friends who are pleased with our success.



Difficulty : Moderate

Average Time : 52 Seconds

Options :

1. ABDC
2. BCDA
3. DACB
4. CBAD

Solution :

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

The given question is an example of para jumbles.

Sentence B will be the first sentence as it introduces the subject of friendship.

Sentence C further gives more information about it.

Sentence D will be following sentence C as it tells about the reaction of friends when an individual is successful.

Sentence A will be the last sentence as it concludes the para.

The correct sequence is:

- B. Friendship increases happiness and diminishes misery.
- C. It doubles our joys and divides our grief.
- D. When we do well, it is delightful to have friends who are pleased with our success.
- A. Our amusements have little zest if we engage in them in solitude.

Question 93 :

Select the most appropriate synonym of the given word. Imminent

Difficulty : Moderate

Average Time : 66 Seconds

Options :

1. Impending
2. Ignorant
3. Unyielding
4. Distant

**Solution :**

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

Synonym: Words that have the same or nearly the same meaning.

Given word: Imminent

Meaning: about to happen.

The word that seems to be its synonym is 'Impending' as it means about to happen; forthcoming.

Meaning of other words:

Ignorant: lacking knowledge or awareness in general.

Unyielding: not giving way to pressure; hard or solid.

Distant: far away in space or time.

Question 94 :

Select the option that expresses the given sentence in indirect speech. She said, "The stars are shining brightly tonight.

Difficulty : Moderate

Average Time : 57 Seconds

Options :

1. She asked if the stars were shining brightly that night
2. She said that the stars were shining brightly that night.
3. She said the stars were shining brightly tonight
4. She said the stars are shining brightly tonight.

Solution :

The correct answer is **option 2** i.e. **She said that the stars were shining brightly that night**.

Given sentence: She said, "The stars are shining brightly tonight.

In indirect speech, we need to remove commas and inverted commas, and the conjunction 'that' is added.

First-person pronouns are changed according to the subject of the reporting verb. So, 'I' is changed to 'me.'

'are shining' will be changed to 'were shining'.

'tonight' will be changed to 'that night'.

So, the final sentence is:

She said that the stars were shining brightly that night.

Question 95 :

Select the most appropriate ANTONYM of the given word. Criticize

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. Praise
2. Disappoint
3. Prevent
4. Forgive

Solution :

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

Antonym: a word opposite in meaning to another.

Criticize means to indicate the faults in a disapproving way.

Praise is the correct antonym that means the expression of approval or admiration for someone or something.

Meaning of other words:

Disappoint: fail to fulfill the hopes or expectations of.

Prevent: keep (something) from happening.

Forgive: no longer feel angry about or wish to punish.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. How should one read a story to a child? Usually, a personality or character of the story (1) _____ the child's interest the most. (2) _____, use different voices (3) _____ each character or act out various (4) _____ from the story, to bring life to those characters. (5) _____ out parts from the story will make story sessions fun and memorable for kids.

Question 96 :

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

Difficulty : Moderate

Average Time : 75 Seconds

Options :



catches

2. catch
3. caught
4. has caught

Solution :

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

The passage talks about the proper way to read a story to a child. As the first sentence is in the present tense, the word interest after the filler makes the word '**catches**' appropriate for blank 1 which means to intercept and hold.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. How should one read a story to a child? Usually, a personality or character of the story (1) _____ the child's interest the most. (2) _____, use different voices (3) _____ each character or act out various (4) _____ from the story, to bring life to those characters. (5) _____ out parts from the story will make story sessions fun and memorable for kids.

Question 97 :

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

Difficulty : Moderate

Average Time : 65 Seconds

Options :

1. However
2. So
3. Also
4. Either

Solution :

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

The passage talks about the proper way to read a story to a child. For blank 2 we need such a word that would emphasize the importance of making different noises. Thus, '**so**' should be used in blank 2.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. How should one read a story to a child? Usually, a personality or character of the story (1)

_____ the child's interest the most. (2) _____, use different voices (3) _____ each character or act out various (4) _____ from the story, to bring life to those characters. (5) _____ out parts from the story will make story sessions fun and memorable for kids.

Question 98 :

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

Difficulty : Moderate

Average Time : 63 Seconds

Options :

1. from
2. by
3. for
4. with

Solution :

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

The passage talks about the proper way to read a story to a child. So, the word '**for**' should be used in blank 3 which means with the object or purpose.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. How should one read a story to a child? Usually, a personality or character of the story (1) _____ the child's interest the most. (2) _____, use different voices (3) _____ each character or act out various (4) _____ from the story, to bring life to those characters. (5) _____ out parts from the story will make story sessions fun and memorable for kids.

Question 99 :

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

Difficulty : Moderate

Average Time : 62 Seconds

Options :

1. sheets
2. pages
3. words
4. parts

Solution :

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

The passage talks about the proper way to read a story to a child. The word 'parts' should be used which means an amount or section that, when combined with others, makes up the whole of something.

Comprehension :

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank. How should one read a story to a child? Usually, a personality or character of the story (1) _____ the child's interest the most. (2) _____, use different voices (3) _____ each character or act out various (4) _____ from the story, to bring life to those characters. (5) _____ out parts from the story will make story sessions fun and memorable for kids.

Question 100 :

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

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

1. Asking
2. Telling
3. Acting
4. Saying

Solution :

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

The passage talks about the proper way to read a story to a child. The word 'acting' should be used in blank 5 which means representing a character.

Ssc Cgl Tier I Previous Year Question Paper Analysis

The analysis of Ssc Cgl Tier I Previous Year Question Paper held on 2022-04-11 in the Evening exam is as follows:

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



16 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 - 3
2. Analogy - 2
3. Classification - 1
4. Blood Relations - 1
5. Distance And Direction - 2
6. Syllogism - 1
7. Venn Diagrams - 1
8. Analytical Reasoning - 1
9. Dictionary Based - 1
10. Figure Based - 3
11. Matrix - 1
12. Series - 4
13. Mathematical Reasoning - 3
14. Cubes And Dice - 1

General Awareness

1. GK Misc - 25

Quantitative Aptitude

1. Geometry - 1
2. Quadratic Equation - 24

English Language

1. Cloze Test - 5
2. Spotting Error - 4
3. Parajumbles - 1
4. Idioms - 2

- One Word Substitution - 2
- 6. Fillers - 1
- 7. Voice - 2
- 8. Transformation Of Sentence - 1
- 9. Sentence Improvement - 2
- 10. Synonym - 2
- 11. Antonym - 2
- 12. Incorrectly Spelt - 1
- 13. Incorrectly Spelt - 1

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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Daily Editorial
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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

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About Neetu Mam

Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the Ssc Cgl Tier I Previous Year Question Paper. She has guided her team to provide the best explanation for the question.