













RBE SSC CGL 2025 Live Mock-32 September 07,2025

Q. 1	<p>A bank introduces a new savings scheme that promises high interest rates. To promote this, the bank's employees are instructed to approach existing customers and convince them to transfer their deposits into this scheme. However, many customers are senior citizens who rely on liquidity and are hesitant to lock money for longer terms. In this situation what could be the responsibility of the Bank Officer?</p> <p>a) Persuade all customers strongly to shift to the new scheme, as per instructions. </p> <p>b) Explain both the benefits and risks of the scheme honestly, and let customers decide. </p> <p>c) Tell customers only about the advantages, ignoring possible drawbacks. </p> <p>d) Avoid discussing the scheme with senior citizens and approach only younger customers. </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none"> • The role of a bank officer involves ethical responsibility and customer-centric service. • Option (a) and (c) may mislead customers and break their trust. • Option (d) shows discrimination and neglects inclusivity. • Option (b) balances professional duty (informing customers) with integrity (transparent communication).

Q. 2	<p>A cube is painted red on all faces and then cut into 216 small equal cubes. How many small cubes will have at least 2 red faces?</p> <p>a) 48 </p> <p>b) 8 </p> <p>c) 50 </p> <p>d) 56 </p>
Explanation:	<p>Solution:</p> <ul style="list-style-type: none">• Cube cut into 216 $\rightarrow 6^3 = 6$ small cubes on each edge ($n = 6$).• With 3 faces = 8 (corners).• With 2 faces = $12 \times (n - 2) = 12 \times 4 = 48$.• At least 2 faces = $8 + 48 = 56$.

Q. 3

The Republic Day (26 January) in the year 2025 will fall on Sunday. What day of the week was 26 January 1947?

- a) Friday 
- b) Saturday 
- c) Sunday 
- d) Monday 

Explanation:

Years difference

From 1947 to 2025 = 78 years.

Leap & Ordinary Years

- Leap years from 1948 to 2024 (gap of 4):

$$n = \frac{2024 - 1948}{4} + 1 = 20$$

So, 20 Leap Years.

- Ordinary years = 78 - 20 = 58.

Odd Days Contribution

- Leap year → 2 odd days × 20 = 40
- Ordinary year → 1 odd day × 58 = 58
- Total odd days = 40 + 58 = 98

$$98 \div 7 = 14 \text{ weeks, remainder } 0$$


So, odd days = 0


Conclusion


If 26 Jan 2025 = Sunday, then 26 Jan 1947 was also **Sunday**.


Q. 4

DELHI → 19173119, AGRA → 2513925 Using the same rule, find the code for KANPUR.

a) 51159125 

b) 52515159 

c) 51315925 

d) 59151125 

Explanation:

Logic:

Each letter of the word is replaced with the **absolute difference between its alphabetical position and the position of its opposite letter in the alphabet sequence** ($A \leftrightarrow Z$, $B \leftrightarrow Y$, $C \leftrightarrow X$, ..., $M \leftrightarrow N$).

$D(4) \leftrightarrow W(23) \rightarrow 19$

$E(5) \leftrightarrow V(22) \rightarrow 17$

$L(12) \leftrightarrow O(15) \rightarrow 3$

$H(8) \leftrightarrow S(19) \rightarrow 11$

$I(9) \leftrightarrow R(18) \rightarrow 9$

DELHI = 19173119

$K(11) \leftrightarrow P(16) \rightarrow 5$

$A(1) \leftrightarrow Z(26) \rightarrow 25$





$N(14) \leftrightarrow M(13) \rightarrow 1$





$P(16) \leftrightarrow K(11) \rightarrow 5$





$U(21) \leftrightarrow F(6) \rightarrow 15$

$R(18) \leftrightarrow I(9) \rightarrow 9$

Code = 52515159

Q. 5	<p>5, 26, 17, 124, 37, 342, ?</p> <p>a) 63 </p> <p>b) 65 </p> <p>c) 67 </p> <p>d) 69 </p>
Explanation:	<p>Logic:</p> <p>Numbers alternate between square + 1 and cube – 1.</p> <ol style="list-style-type: none">1. $2^2 + 1 = 5$2. $3^3 - 1 = 26$3. $4^2 + 1 = 17$4. $5^3 - 1 = 124$5. $6^2 + 1 = 37$6. $7^3 - 1 = 342$7. Next $\rightarrow 8^2 + 1 = 65$

Q. 6	<p>MANGO : FRUIT :: CARROT : ?</p> <p>a) TREE </p> <p>b) FLOWER </p> <p>c) VEGETABLE </p> <p>d) ROOT </p>
Explanation:	<p>Solution:</p> <ul style="list-style-type: none">• Mango belongs to the category of Fruit.• Carrot belongs to the category of Vegetable.

Q. 7	<p>Find the odd one out:</p> <p>January, March, May, June</p> <p>a) January </p> <p>b) March </p> <p>c) May </p> <p>d) June </p>
Explanation:	<p>Solution:</p> <ul style="list-style-type: none">• January → 31 days• March → 31 days• May → 31 days• June → 30 days <p>So, the odd one is June.</p>

Q. 8

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

BACTERIA : EXFWBUX :: WOUNDS : ?

a) ZLSQFW 

b) ZLRQGV 

c) YLRQFV 

d) ZRXQGV 

Explanation:





Logic:

- Consonant → +3 (forward)
- Vowel → -3 (backward)

Word = **W O U N D S**

- W (consonant) → Z
- O (vowel) → L
- U (vowel) → R
- N (consonant) → Q
- D (consonant) → G
- S (consonant) → V

So, **WOUNDS → ZLRQGV**

Q. 9	<p>Select the correct option that indicates the arrangement of the given words in the order in which they appear in an English dictionary.</p> <ol style="list-style-type: none">1. Likelihood2. Likenesses3. Likewise4. Likens5. Likeliest <p>a) 5, 1, 2, 4, 3 </p> <p>b) 1, 4, 2, 3, 5 </p> <p>c) 5, 1, 4, 2, 3 </p> <p>d) 5, 1, 2, 3, 4 </p>
Explanation:	<p>Order:</p> <ul style="list-style-type: none">• Likeliest (5)• Likelihood (1)• Likenesses (2)• Likens (4)• Likewise (3) <p>Answer: 5 – 1 – 2 – 4 – 3</p>





Q. 10

Statement:

A recent study found that students who read physical books have better comprehension than those who read e-books.

Question:

Which of the following, if true, best strengthens the argument?

- a) Physical books are usually more expensive than e-books. 
- b) Students reading physical books are less distracted as compared to those using e-devices. 
- c) Some students prefer e-books because they are portable. 
- d) Many schools have started digital libraries. 

Explanation:

(a) Physical books are usually more expensive than e-books.

- Price has nothing to do with comprehension.
- So, irrelevant.

(b) Students reading physical books are less distracted as compared to those using e-devices.

- If students using e-books get distracted (notifications, apps, screen fatigue), their focus reduces.
- Less distraction with physical books → more focus → better comprehension.
- This directly supports the study.

(c) Some students prefer e-books because they are portable.

- Preference/portability is convenience, not comprehension.
- So, irrelevant.

(d) Many schools have started digital libraries.

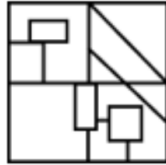
- This is about facilities, not comprehension levels.
- So, irrelevant.

Q. 11

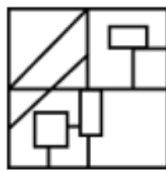
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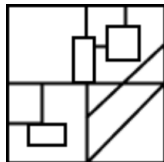
a)



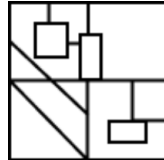
b)



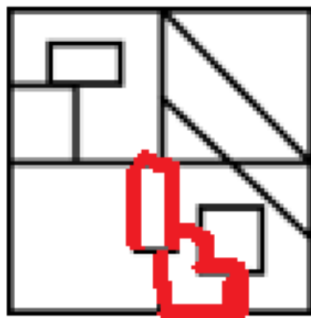
c)




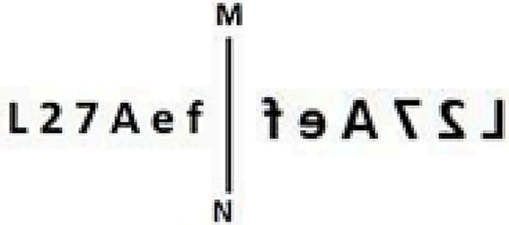
d)







Explanation:



Q. 12	<p>15 is related to 45 following a certain logic. Following the same logic, 25 is related to 125. Which of the following numbers gives the result 80 using the same logic?</p> <p>a) 30 ✗</p> <p>b) 35 ✗</p> <p>c) 20 ✓</p> <p>d) 10 ✗</p>
Explanation:	<p>Logic:</p> $15 \times 15 \div 5 = 45$ $25 \times 25 \div 5 = 125$ $20 \times 20 \div 5 = 80$

Q. 13	<p>Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.</p> <div style="text-align: center;">  </div> <p>a) ✗</p> <p>b) ✗</p> <p>c) ✗</p> <p>d) ✓</p>
Explanation:	<div style="text-align: center;">  </div>

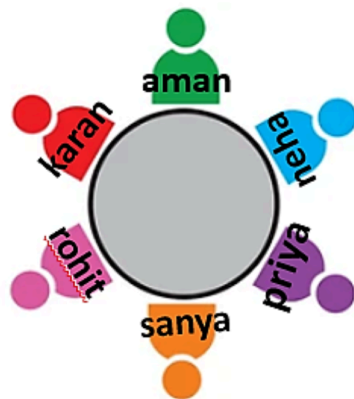
Q. 14	<p>The two expressions on either side of the equal sign will have the same value if two numbers on the left-hand side are interchanged and two signs on the right-hand side are interchanged.</p> <p>What are those two numbers (not digits) and the two signs?</p> $9 \times 1 \div 3 + 8 - 7 = 12 \div 3 + 2 \times 33 - 13$ <p>a) 3 and 8; + and - </p> <p>b) 1 and 9; \div and \times </p> <p>c) 3 and 7; + and \div </p> <p>d) 1 and 3; + and \times </p>
Explanation:	$9 \times 1 \div 3 + 8 - 7 = 12 \div 3 + 2 \times 33 - 13$ <p>Check Option (d): Swap $1 \leftrightarrow 3$ (LHS), $+ \leftrightarrow \times$ (RHS)</p> $\text{LHS} = 9 \times 3 \div 1 + 8 - 7 = 28$ $\text{RHS} = 12 \div 3 \times 2 + 33 - 13 = 28$

Q. 15

Six students (Aman, Neha, Karan, Priya, Sanya and Rohit) are sitting around a circular table facing the centre (but not necessarily in the same order).
Aman is an immediate neighbour of both Neha and Karan.
Karan is sitting second to the left of Sanya.
Sanya is sitting second to the left of Neha.
Neha is an immediate neighbour of both Aman and Priya.
Which of the following is true?


- a) Priya is the immediate neighbour of both Sanya and Karan. ✗
- b) Rohit is sitting between Aman and Neha. ✗
- c) Sanya is the immediate neighbour of both Priya and Rohit. ✓
- d) Neha is sitting exactly opposite to Karan. ✗

Explanation:



Q. 16





Among seven people F, G, H, K, L, M and N, each has a different age. Only two people are older than M. Only two people are younger than K. The age of K is a multiple of 10. The youngest is 12 years old. F is the eldest. N is older than L, but younger than H. L is not the youngest. The sum of the ages of the youngest and second oldest person is 42 years. What can be the possible age of L?

a) 21 years b) 10 years c) 15 years d) 12 years **Explanation:****Solution:**

- Youngest = 12
- Youngest (12) + 2nd oldest = 42 → 2nd oldest = 30
- M is 3rd eldest → $M < 30$ but $>$ others below
- K is 3rd youngest → multiple of 10 → $K = 20$
- So order (youngest → eldest): 12, L(?), 20(K), N, M, 30(H), F
- L is not youngest, and must be $< N < H$
- If $L = 15$, all conditions satisfied.

Q. 17

Suresh is now 19 years old and in college. Since he was a 5-year-old, he stayed in a hostel and is now coming back home after 14 long years. His parents have texted him the direction from the railway station to his house. See the below text message sent to Suresh by his parents and answer the following question accordingly. "When you step out of the railway station, you are facing north. Take a right and drive 4 km, you will see a T-point/junction. Take a right and drive 2 km. There will be a roundabout with four roads. Take the second left from the round-about and drive 1 km. Take a right and drive 3 km. Take a left and drive 2 km. You will find our house at the front. Come home fast." In which direction is Suresh facing after taking the first right turn from the railway station?

- a) North 
- b) East 
- c) South 
- d) West 

Explanation:

Solution:

- When Suresh steps out of the railway station, he is facing **North**.
- From North, if he turns **right**, he will face **East**.





So, after taking the right turn from the railway station, Suresh is facing **East**.

Q. 18

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





0.19 : 0.0019 :: 2.02 : ?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- a) 0.0202 
- b) 0.00202 
- c) 0.202 
- d) 2.0002 

Explanation:

Relation: $0.19 \div 100 = 0.0019$
 Apply same: $2.02 \div 100 = 0.0202$

Q. 19	<p>In the word 'AMBIDEXTROUS', if the first letter is interchanged with the last letter, the second letter is interchanged with the eleventh letter, the third letter is interchanged with the tenth letter and so on, then which letter would immediately follow R in the new arrangement when read from left to right?</p> <p>a) X </p> <p>b) E </p> <p>c) O </p> <p>d) T </p>
Explanation:	<p>Word = AMBIDEXTROUS After interchanges → SUORTXEDIBMA Letter after R = T</p>

Q. 20

Statements:

1. All pens are books.
2. Some books are papers.
3. No paper is a pencil.

Conclusions:

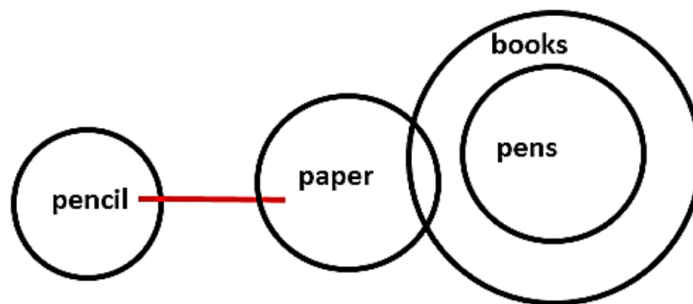
- I. Some pens are papers.
- II. No pen is a pencil.
- III. Some books are not pencils.
- IV. All papers being pens is a possibility.

a) Only I and II follow ❌

b) Only III and IV follow ✅

c) Only II and IV follow ❌

d) Only IV follows ❌

Explanation:**Check Conclusions:**

- I: Some pens are papers → Not definite
- II: No pen is a pencil → Not given
- III: Some books are not pencils → Correct
- IV: All papers being pens is a possibility → Correct

Q. 21





Given below is a statement followed by two conclusions I and II. Study the statement carefully and decide which Conclusion/s is/are definitely true.

Statement:

$M > N \geq O \leq P \leq W; X \geq O > Y$

Conclusion I : $M > X$

Conclusion II : $Y < W$

- a) Only Conclusion I is true. 
- b) Only Conclusion II is true. 
- c) Neither Conclusion I nor II is true. 
- d) Both Conclusions I and II are true. 





Explanation:

Conclusion I: $M > X$

- From left side: $M > N \geq O \rightarrow$ so $M > O$.
- From right side: $X \geq O$.
- So relation is $M > O \leq X$.
- Here M and X can't be directly compared (M could be bigger, equal, or smaller).
- **Not definite.**

Conclusion II: $Y < W$

- From right side: $O > Y$.
- From left side: $O \leq P \leq W \rightarrow$ so $W \geq O$.
- Combine: $W \geq O > Y \rightarrow$ definitely $Y < W$.
- **True**

Q. 22	<p>The numbers in each set are related to each other in a certain way. Based on the relationship among the numbers in the first two sets, select the number that can replace the question mark (?) in the third set.</p> <p>(2, 8, 4), (7, 343, 49), (4, 64, ?)</p> <p>a) 8 </p> <p>b) 16 </p> <p>c) 12 </p> <p>d) 32 </p>
Explanation:	<p>pattern: (a, a^3, a^2)</p> <p>(2, 8, 4) $\rightarrow 8 = 2^3, 4 = 2^2$ (7, 343, 49) $\rightarrow 343 = 7^3, 49 = 7^2$ (4, 64, ?) $\rightarrow 64 = 4^3, ? = 4^2 = 16$</p>

Q. 23

Which letter-cluster will complete the given series?

FPW, FFPPPWW, FFFFPPPPWWW, _____

a) FFFFFFFFFPPPPPPWWW b) FFFFFFFPPPPPPWWW c) FFFFFFFPPPPWWW d) FFFFFFFFFPPPPPPPPWWW 

Series given:

FPW, FFPPPWW, FFFFPPPPWWW, ?

Observe pattern

- 1st term: $F^1 P^1 W^1$
- 2nd term: $F^2 P^3 W^2$
- 3rd term: $F^4 P^5 W^3$

Explanation:

So counts are increasing systematically.

Check increments

- F: 1, 2, 4 → doubling each time. Next = 8
- P: 1, 3, 5 → odd numbers sequence. Next = 7
- W: 1, 2, 3 → natural numbers. Next = 4

Form next cluster

 $F^8 P^7 W^4 \rightarrow$ FFFFFFFFFPPPPPPWWW

Q. 24

Read the information given below carefully and answer the questions that follow:
An IT company has laid down the following criteria for recruitment of candidates for the post of Software Developer:

The candidate must be a graduate in Computer Science/IT with at least 60% marks.

The candidate must have secured at least 55% marks in Class 12th and 60% marks in Class 10th.

The candidate must be at least 21 years old but not more than 30 years old as on 01.01.2025.

The candidate must have completed at least 6 months of internship/industrial training in software development.

If the candidate has a Postgraduate degree (MCA/M.Tech) with at least 65% marks, the graduation percentage condition may be ignored.

If the candidate has more than 2 years of full-time work experience in software development, the internship requirement may be waived.

Candidates who do not satisfy any of the above conditions will not be selected.

Now answer the following based on the above conditions (Assume all other things being equal):

Case 1:

Ravi is 23 years old, secured 65% in Class 10th, 58% in Class 12th, and 62% in B.Tech (CSE). He has also completed a 6-month internship in Java development.

Case 2:

Meena is 29 years old, secured 70% in Class 10th, 72% in Class 12th, and 55% in B.Tech (CSE). However, she completed MCA with 68% marks and has no work experience.

Case 3:

Kunal is 25 years old, secured 61% in Class 10th, 59% in Class 12th, and 63% in B.Tech (CSE). He has 3 years of experience in software development but no internship.

Case 4:

Shweta is 22 years old, secured 72% in Class 10th, 65% in Class 12th, and 59% in B.Tech (IT). She has no postgraduate degree and has completed only 4 months of internship.

Case 5:

Amit is 31 years old, secured 85% in Class 10th, 76% in Class 12th, and 69% in B.Tech (CSE). He has 1 year of work experience in software development.

Question:

Based on the above eligibility criteria, which of the following candidates will be selected for the post of Software Developer?

a) Only Case 1 and Case 3



b) Only Case 1, Case 2, and Case 3



c) Only Case 1, Case 2, Case 3, and Case 4



d) All candidates except Case 5



Explanation:**Case 1: Ravi**

- Age: 23 ✓ (within 21-30)
 - 10th = 65% ✓ (≥ 60)
 - 12th = 58% ✓ (≥ 55)
 - Graduation = 62% ✓ (≥ 60)
 - Internship = 6 months ✓ (≥ 6)
- **Ravi Eligible** ✓

Case 2: Meena

- Age: 29 ✓
 - 10th = 70% ✓
 - 12th = 72% ✓
 - Graduation = 55% ✗ (< 60)
 - PG (MCA) = 68% ✓ ($\geq 65 \rightarrow$ graduation % ignore हो सकता है)
 - Internship = Not mentioned ✗ (Rule 4: internship compulsory unless 2+ years exp.)
 - Work experience = None ✗
- Fails on internship rule.
- **Meena Not Eligible** ✗



Case 3: Kunal

- Age: 25 ✓
 - 10th = 61% ✓
 - 12th = 59% ✓
 - Graduation = 63% ✓
 - Internship = No ✗
 - Work Experience = 3 years ✓ (Rule 6 \rightarrow internship waive)
- **Kunal Eligible** ✓

Case 4: Shweta





- Age: 22 ✓
 - 10th = 72% ✓
 - 12th = 65% ✓
 - Graduation = 59% ✗ (< 60)
 - PG = None ✗
 - Internship = 4 months ✗ (< 6)
- Fails on both graduation % and internship.
- **Shweta Not Eligible** ✗

Case 5: Amit

- Age: 31  (must be ≤ 30)
 → Direct fail on age.
 → **Amit Not Eligible** 

Q. 25

Pointing to a man, Seema said, "He is the son of my grandfather's only son." How is that man related to Seema?

- a) Brother 
- b) Cousin 
- c) Uncle 
- d) Father 





Explanation:

Solution:

- Seema's **grandfather's only son** = Seema's **father**.
- The man is the **son of Seema's father** = Seema's **brother**.

Q. 26

Where was the first-ever Khelo India Water Sports Festival 2025 be held at?

- a) Bhopal 
- b) Goa 
- c) Srinagar 
- d) Kochi 

Explanation:

Correct Answer: Srinagar





Explanation:

- The **first-ever Khelo India Water Sports Festival 2025** was held at the **iconic Dal Lake in Srinagar, Jammu & Kashmir, from August 21 to 23**.
- This national-level event featured kayaking, canoeing, and rowing, and was organized by the **Jammu and Kashmir Sports Council** under the supervision of the **Sports Authority of India**.
- The scenic Dal Lake served as a stunning venue, blending sport with tourism and cultural heritage.

Q. 27

Which of the following Statement/s is Correct about Fundamental Duties?

1. The Fundamental Duties were added to the Indian Constitution by the 42nd Amendment Act, 1976.
2. The total number of Fundamental Duties has remained unchanged since 1976.
3. Fundamental Duties are listed under Part IV-A of the Constitution, in Article 51A.
4. The concept of Fundamental Duties was borrowed from the Constitution of the USA.

a) 1 and 2 only b) 1 & 3 only c) 1, 2 & 4 only d) 1 & 3, 4 only 

Explanation:

Explanation: 1 & 3 Only

- **Statement 1: Correct**

The **42nd Constitutional Amendment Act, 1976**, during the tenure of Prime Minister **Indira Gandhi**, introduced **Fundamental Duties** into the Indian Constitution. This was a major amendment and is often referred to as the "**Mini Constitution**" due to its wide-ranging impact.

- **Statement 2: Incorrect**

Initially, **10 Fundamental Duties** were added in 1976. However, the **86th Amendment Act, 2002** (during Atal Bihari Vajpayee's tenure) added **one more duty**—to provide opportunities for education to children aged 6 to 14.

So, the total number of Fundamental Duties is now **11**, not unchanged.

- **Statement 3: Correct**

Fundamental Duties are enshrined in **Part IV-A** of the Constitution, under **Article 51A**. This article lists all the duties expected of every citizen of India.

- **Statement 4: Incorrect**

The concept of Fundamental Duties was **not borrowed from the USA**, but from the **Constitution of the USSR (now Russia)**. The American Constitution focuses more on rights than duties.

Q. 28

Consider the following statements about the Indian National Congress (INC):





I. The Indian National Congress was founded in 1885 by Allan Octavian Hume.

II. The first session of the INC was held in Bombay under the presidency of Dadabhai Naoroji.

III. The INC initially demanded complete independence from British rule in its early sessions.

IV. The Congress adopted the resolution for Purna Swaraj (Complete Independence) in 1929 at the Lahore Session.

Which of the statements given above is/are correct?

- a) I and IV only 
- b) I and II only 
- c) II and III only 
- d) III and IV only 

Explanation:

The correct answer is: I and IV only

Explanation:

- **Statement I: Correct**

The **Indian National Congress (INC)** was founded in **1885** by **Allan Octavian Hume**, a retired British civil servant, with the aim of creating a platform for civic and political dialogue among educated Indians.

- **Statement II: Incorrect**

The **first session of the INC** was held in **Bombay (Mumbai)** in **December 1885**, but it was presided over by **W.C. Bonnerjee**, not Dadabhai Naoroji. Dadabhai Naoroji presided over later sessions, including the 1896 session where the national song "Vande Mataram" was sung.

- **Statement III: Incorrect**









In its early years, the INC did **not demand complete independence**. Its initial demands were moderate—focused on administrative reforms, representation, and civil rights.





The demand for **Purna Swaraj (Complete Independence)** came much later.






- **Statement IV: Correct**






The INC adopted the resolution for **Purna Swaraj** in **1929**, during the **Lahore Session**, presided over by **Jawaharlal Nehru**.





The formal declaration was made on **January 26, 1930**, which later became the date for **Republic Day**.






Q. 29	<p>How many of the following Cup - Sports pairs are correctly matched?</p> <ol style="list-style-type: none"> 1. Murugappa Gold Cup – Hockey 2. Ryder Cup – Polo 3. Durand Cup – Volleyball 4. Irani Cup - Cricket <p>a) Only one </p> <p>b) Only three </p> <p>c) Only two </p> <p>d) All of these </p>
Explanation:	<p> 1. Murugappa Gold Cup – Hockey</p> <p>Correct</p> <ul style="list-style-type: none"> This is a prestigious field hockey tournament held annually in India. <p> 2. Ryder Cup – Polo</p> <p>Incorrect</p> <ul style="list-style-type: none"> The Ryder Cup is actually associated with Golf, not Polo. It's a biennial men's golf competition between teams from Europe and the USA. <p> 3. Durand Cup – Volleyball</p> <p>Incorrect</p> <ul style="list-style-type: none"> The Durand Cup is one of the oldest football tournaments in India, not volleyball. <p> 4. Irani Cup – Cricket</p> <p>Correct</p> <ul style="list-style-type: none"> The Irani Cup is a domestic cricket tournament in India, played between the Ranji Trophy winners and the Rest of India team.






Q. 30	<p>Sushil Shukla was awarded for Hindi in the 2025 Sahitya Akademi Bal Sahitya Award for which book?</p> <p>a) Ek Batte Bara </p> <p>b) Chhota Sipahi </p> <p>c) Bholu Aur Uski Duniya </p> <p>d) Rang Birange Sapne </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none"> • In the 2025 Sahitya Akademi Bal Sahitya Awards, Sushil Shukla was honored for his contribution to Hindi children's literature. • He received the award for his acclaimed story collection "Ek Batte Bara", which stood out for its creativity and appeal to young readers.





Q. 31	<p>According to the 2023/24 Human Development Report (HDR), India ranked at _____ out of 193 countries and territories on the Human Development Index (HDI).</p> <p>a) 126 </p> <p>b) 114 </p> <p>c) 141 </p> <p>d) 134 </p>
Explanation:	<p>Correct Answer: 134</p> <p> Explanation:</p> <ul style="list-style-type: none"> • As per the 2023/24 Human Development Report released by the United Nations Development Programme (UNDP), India ranks 134th out of 193 countries and territories on the Human Development Index (HDI). • India's HDI value rose to 0.644, placing it in the medium human development category. • This reflects improvements in life expectancy, education, and Gross National Income per capita, though challenges remain in reducing inequality and accelerating inclusive growth. • First Rank: Switzerland (ranked first for the 14th consecutive year)








Q. 32	<p>Which of the following statement is correct about Maad Soil.</p> <ol style="list-style-type: none">1. It is found in the Southern Part of Uttar Pradesh.2. It contains silica, iron & aluminium.3. In this type of soil, agriculture is difficult. <p>a) only 1 and 2 </p> <p>b) 2 and 3 only </p> <p>c) 1 and 3 only </p> <p>d) 1, 2 and 3 </p>
Explanation:	<p>Correct Answer: All three statements are correct</p> <p> Detailed Solution:</p> <ul style="list-style-type: none">• Statement 1: Correct Maad soil is predominantly found in the southern part of Uttar Pradesh, especially in regions like Bundelkhand and Baghelkhand, which are part of the Southern Plateau.• Statement 2: Correct This soil contains approximately 60% silica, 15% iron, and 25% aluminum, making it mineral-rich but not agriculturally friendly.• Statement 3: Correct Due to its hard texture and poor fertility, agriculture is difficult in Maad soil. It lacks the organic matter and moisture retention needed for productive farming.







<p>Q. 33</p>	<p>Which of the following is the INCORRECT statements about Alipore Bomb Case Trial.</p> <ol style="list-style-type: none"> 1. It refers to an attempt to murder the district judge of Muzaffarpur. 2. It took place in the year 1907. 3. The Revolutionaries who threw the bomb were Barin Ghosh & Prafulla Chaki. 4. Khudiram Bose committed suicide. <p>a) Only 1, 3 & 4 </p> <p>b) Only 2 & 4 </p> <p>c) Only 2, 3 & 4 </p> <p>d) All of these </p>
<p>Explanation:</p>	<p>Detailed Explanation:</p> <ul style="list-style-type: none"> • Statement 1: Correct The Alipore Bomb Case was triggered by an attempt to assassinate British magistrate Douglas Kingsford in Muzaffarpur on April 30, 1908. This incident led to the arrest and trial of several revolutionaries. • Statement 2: Incorrect The case did not take place in 1907. The Muzaffarpur bombing occurred in April 1908, and the Alipore trial lasted from May 1908 to May 1909. • Statement 3: Incorrect The bomb was thrown by Khudiram Bose and Prafulla Chaki, not Barin Ghosh. Barin Ghosh, brother of Sri Aurobindo, was a key figure in the revolutionary group but was not directly involved in the bombing. • Statement 4: Incorrect Khudiram Bose did not commit suicide. He was captured and hanged on August 11, 1908. It was Prafulla Chaki who committed suicide to avoid arrest.

Q. 34	<p>In which year did the Indian National Congress make a demand for a Constituent Assembly?</p> <p>a) 1931 </p> <p>b) 1932 </p> <p>c) 1934 </p> <p>d) 1930 </p>
Explanation:	<p> Explanation:</p> <ul style="list-style-type: none">• The Indian National Congress (INC) officially demanded the formation of a Constituent Assembly in June 1934.• This demand was influenced by the dissatisfaction with the British Government's 1933 White Paper, which failed to meet Indian aspirations for self-rule.• The INC's resolution called for a constitution drafted by a Constituent Assembly elected on the basis of adult suffrage, marking a major shift in India's constitutional politics.

Q. 35	<p>Arrange the following events in chronological order:</p> <ol style="list-style-type: none"> 1. Gandhi–Irwin Pact 2. Poona Pact 3. Simon Commission Report Published 4. Round Table Conference (Second) <p>a) 3 – 1 – 4 – 2 </p> <p>b) 1 – 3 – 2 – 4 </p> <p>c) 2 – 4 – 1 – 3 </p> <p>d) 3 – 2 – 4 – 1 </p>
Explanation:	<p> Chronological Order of Events:</p> <ol style="list-style-type: none"> 1. Simon Commission Report Published – 1928–1930 <ul style="list-style-type: none"> ◦ The Simon Commission was appointed in 1927, and its report was published in 1930. ◦ It faced widespread protests due to the absence of Indian members. 2. Gandhi–Irwin Pact – March 5, 1931 <ul style="list-style-type: none"> ◦ This agreement marked a truce between the British Government and the Indian National Congress. ◦ Gandhi agreed to attend the Second Round Table Conference. 3. Second Round Table Conference – September–December 1931 <ul style="list-style-type: none"> ◦ Held in London, attended by Mahatma Gandhi as the sole representative of the Congress. 4. Poona Pact – September 24, 1932 <ul style="list-style-type: none"> • An agreement between Mahatma Gandhi and Dr. B.R. Ambedkar on the issue of separate electorates for the Depressed Classes.

Q. 36	<p>Which gas is mainly responsible for the formation of photochemical smog?</p> <p>a) Ozone </p> <p>b) Nitrogen dioxide </p> <p>c) Carbon monoxide </p> <p>d) Sulphur dioxide </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none">• Photochemical smog is primarily formed when nitrogen dioxide (NO₂) and volatile organic compounds (VOCs) react in the presence of sunlight.• This reaction produces secondary pollutants like ozone (O₃), peroxyacetyl nitrate (PAN), and other oxidants.• While ozone is a component of photochemical smog, it is not the initiating gas—NO₂ plays the key role in its formation.

Q. 37	<p>What is the term for the shift of workers from agriculture to industry and services?</p> <p>a) Industrialization </p> <p>b) Urbanization </p> <p>c) Occupational diversification </p> <p>d) Economic transition </p>
Explanation:	<p> Correct Answer: (C) Occupational diversification</p> <p> Explanation:</p> <ul style="list-style-type: none"> • Occupational Diversification refers to the movement of the workforce from the primary sector (agriculture) to secondary (industry) and tertiary (services). • It reflects a structural change in employment patterns as economies develop. • This shift is a key indicator of modernization and rising productivity. <p> Incorrect Options:</p> <ul style="list-style-type: none"> • (A) Industrialization <ul style="list-style-type: none"> ◦ Refers to the growth of industries, especially manufacturing. ◦ While it contributes to occupational diversification, it does not specifically describe the shift in employment sectors. • (B) Urbanization <ul style="list-style-type: none"> ◦ Means the increase in population living in urban areas. ◦ It's often a result of occupational diversification, but it describes settlement patterns, not employment shifts. • (D) Economic Transition <ul style="list-style-type: none"> ◦ A broad term for overall changes in an economy, including reforms, liberalization, or shifts from agrarian to industrial economies. ◦ It's too general and doesn't specifically refer to the movement of workers across sectors.

Q. 38	<p>Given below are assertion and reason, read the statements and choose the correct option.</p> <p>Assertion: The Treaty of Paris (1763) limited French settlements in India to trading posts only.</p> <p>Reason: The French could no longer station troops or fortify their factories after the treaty.</p> <p>a) Both (A) and (R) are true, and R is not the correct explanation of A. </p> <p>b) Both (A) and (R) are true, and R is the correct explanation of A. </p> <p>c) (A) is true, but (R) is false. </p> <p>d) (A) is false, but (R) is true. </p>
Explanation:	<p>Correct Answer: Both (A) and (R) are true, and R is the correct explanation of A.</p> <p> Detailed Explanation:</p> <ul style="list-style-type: none"> • Assertion: True The Treaty of Paris (1763) was signed after the Seven Years' War, and it significantly curtailed French influence in India. The treaty allowed France to retain only its trading posts—such as Pondicherry, Chandernagore, Mahe, Karaikal, and Yanam—but not as political or military bases. • Reason: True As per the treaty, the French were prohibited from stationing troops or fortifying their factories in India. This condition was imposed to prevent any future military challenge to British supremacy. •  Since the reason directly explains why French settlements were limited to trading posts, it is the correct explanation of the assertion.





Q. 39	<p>In a two-sector economy, households provide factors of production to firms and receive income. If household save part of his income, what is affected?</p> <p>a) The circular flow becomes a leakage ✓</p> <p>b) Firm profits increase automatically ✗</p> <p>c) It leads to inflation ✗</p> <p>d) Production output remains constant ✗</p>
Explanation:	<p>Correct Answer: The circular flow becomes a leakage</p> <p>✓ Detailed Explanation:</p> <p>In a two-sector economy (Households and Firms), the circular flow of income works like this:</p> <ul style="list-style-type: none"> • Households provide factors of production (land, labor, capital) to firms • Firms pay income (wages, rent, interest, profit) to households • Households then spend this income on goods and services produced by firms <p>🔄 What happens when households save part of their income?</p> <ul style="list-style-type: none"> • That portion of income is not spent on consumption • So, it does not return to firms as revenue • This creates a leakage in the circular flow of income • Leakages reduce the overall demand, potentially slowing down production and income generation <p>✗ Why other options are incorrect:</p> <ul style="list-style-type: none"> • Firm profits increase automatically → Incorrect: Savings reduce spending, which may lower firm revenues • It leads to inflation → Incorrect: Reduced spending tends to lower demand, which may reduce inflationary pressure • Production output remains constant → Incorrect: Lower demand can lead to reduced production

Q. 40

About the President of India:

1. The President is elected by an Electoral College consisting of elected members of Parliament and State Legislatures.
2. The President has the power to dissolve the Rajya Sabha.

Which statements are correct?

- a) Only 1 
- b) Only 2 
- c) Neither 1 nor 2 
- d) Both 1 and 2 

Explanation:

Let's evaluate both statements carefully:

**Statement 1: The President is elected by an Electoral College consisting of elected members of Parliament and State Legislatures.****Correct.**The President of India is elected by an **Electoral College** comprising:







- **Elected members of both Houses of Parliament** (Lok Sabha and Rajya Sabha)
- **Elected members of the Legislative Assemblies of States and Union Territories** (including Delhi and Puducherry)







♦ *Note:* Nominated members of Parliament or State Legislatures **do not participate** in the election.

**Statement 2: The President has the power to dissolve the Rajya Sabha.****Incorrect.**The **Rajya Sabha (Council of States)** is a **permanent body** and **cannot be dissolved**.

- One-third of its members retire every two years, but the house itself continues to function.
- The **President can dissolve the Lok Sabha**, not the Rajya Sabha.

**Final Answer: Only Statement 1 is correct.**

Q. 41	<p>With reference to vitamins, consider:</p> <ol style="list-style-type: none"> 1. Vitamin D can be synthesized in human skin. 2. Vitamin C deficiency causes scurvy. 3. Vitamin B12 is absent in a pure vegetarian diet. <p>Correct statements are:</p> <p>a) 1 & 2 only </p> <p>b) 2 & 3 only </p> <p>c) 1 & 3 only </p> <p>d) 1, 2 & 3 All </p>
Explanation:	<p>Correct Answer:  All three statements are correct</p> <p> Detailed Explanation:</p> <ul style="list-style-type: none"> • Statement 1: Vitamin D can be synthesized in human skin – Correct <ul style="list-style-type: none"> ◦ When exposed to sunlight (UVB rays), the skin converts 7-dehydrocholesterol into Vitamin D3 (cholecalciferol). ◦ This is why Vitamin D is often called the “sunshine vitamin.” • Statement 2: Vitamin C deficiency causes scurvy – Correct <ul style="list-style-type: none"> ◦ Scurvy is a disease caused by severe Vitamin C deficiency, leading to symptoms like bleeding gums, joint pain, fatigue, and poor wound healing. ◦ Vitamin C is essential for collagen synthesis and maintaining connective tissue health. • Statement 3: Vitamin B12 is absent in a pure vegetarian diet – Correct <ul style="list-style-type: none"> ◦ Vitamin B12 is naturally found in animal-based foods like meat, eggs, and dairy. ◦ Pure vegetarians (especially vegans) are at risk of B12 deficiency, which can lead to anemia and neurological issues unless they take fortified foods or supplements.





Q. 42	<p>Consider the following statements:</p> <ol style="list-style-type: none"> 1. Diffusion is faster in gases than in liquids. 2. Pressure has negligible effect on the volume of solids and liquids. 3. Boyle's Law states that at constant pressure, volume is directly proportional to temperature. <p>Which are INCORRECT?</p> <p>a) 2 & 3 only </p> <p>b) 1 & 3 only </p> <p>c) 3 only </p> <p>d) 2 only </p>
Explanation:	<p>Incorrect Statements:  Only Statement 3 is incorrect</p> <p> Statement-wise Analysis:</p> <ul style="list-style-type: none"> • Statement 1: Diffusion is faster in gases than in liquids – Correct <ul style="list-style-type: none"> ◦ In gases, particles move freely and rapidly, allowing faster diffusion compared to liquids where intermolecular forces are stronger and movement is slower. • Statement 2: Pressure has negligible effect on the volume of solids and liquids – Correct <ul style="list-style-type: none"> ◦ Solids and liquids are incompressible, so applying pressure causes minimal change in volume, unlike gases which compress significantly. • Statement 3: Boyle's Law states that at constant pressure, volume is directly proportional to temperature – Incorrect • This is actually Charles's Law, not Boyle's. • Boyle's Law states that at constant temperature, the volume of a gas is inversely proportional to its pressure:

Q. 43

Consider the following statements about the population growth in India as per Census 2011:

1. India's total population increased to 1.21 billion.
2. The decadal growth rate during 2001–2011 increased compared to the previous decade.
3. The female population growth rate was higher than the male population growth rate.

Which statements are INCORRECT?

- a) All of these 
- b) Only Statement 1 
- c) Only Statement 3 
- d) Only Statement 2 

Explanation:



Statement 1: India's total population increased to 1.21 billion.



Correct.

As per Census 2011, India's population reached **1.21 billion (121 crore)** — up from 1.02 billion in 2001.



Statement 2: The decadal growth rate during 2001–2011 increased compared to the previous decade.



Incorrect.

The **decadal growth rate** during 2001–2011 was **17.64%**, which is **lower** than the **21.54%** recorded during 1991–2001.

- ♦ So, the growth rate actually **declined**, not increased.



Statement 3: The female population growth rate was higher than the male population growth rate.



Correct.

Between 2001 and 2011:

- **Female population** grew by **18.3%**
- **Male population** grew by **17.1%**



- ♦ Hence, the female growth rate was indeed **higher**.



Final Answer: Only Statement 2 is incorrect.

Q. 44

A force of 10 N acts on a body moving it through a distance of 2 meters in the direction of force. What is the work done by the force?

a) 5 J b) 20 J c) 10 J d) 40 J **Explanation:**

To calculate the **work done**, we use the formula:

$$W = F \times d \times \cos\theta$$

Where:

- **Force (F)** = 10 N
- **Displacement (d)** = 2 meters
- $\theta = 0^\circ$, since the force and displacement are in the same direction
- So, **$\cos 0^\circ = 1$**





$$W = 10 \times 2 \times 1 = 20 \text{ J}$$

Q. 45


Consider the following about medieval regional kingdoms:

1. The Bahmani Sultanate was established in the Deccan region.
2. The Vijayanagara Empire was a prominent Hindu kingdom in South India.
3. Tajuddin Firoz married the daughter of Devaraya I.

Which are INCORRECT?

- a) 1 & 2 only 
- b) 1 & 3 only 
- c) Only 3 
- d) None of these 

Explanation:





Correct Answer:  None of the statements are incorrect
All three statements are factually accurate.

 **Detailed Explanation:**

- **Statement 1: The Bahmani Sultanate was established in the Deccan region – Correct**
 - The **Bahmani Sultanate** was founded in **1347** by **Alauddin Bahman Shah (Hasan Gangu)**.
 - It was the **first independent Muslim kingdom in the Deccan**, with capitals at **Gulbarga** and later **Bidar**.
- **Statement 2: The Vijayanagara Empire was a prominent Hindu kingdom in South India – Correct**
 - Founded in **1336** by **Harihara I and Bukka Raya I**, the **Vijayanagara Empire** became a powerful Hindu state in **South India**, known for its resistance to northern invasions and its flourishing art, architecture, and administration.
- **Statement 3: Tajuddin Firoz married the daughter of Devaraya I. – Correct.**
 - This is a **historically accurate statement**.
 - **Tajuddin Firoz Shah Bahmani**, who ruled from 1397 to 1422 CE, did indeed **marry a daughter of Devaraya I, the Vijayanagara ruler**.
 - This matrimonial alliance was part of a peace treaty between the Bahmani Sultanate and the Vijayanagara Empire, reflecting a rare moment of diplomacy between two rival powers.

Q. 46

Which of the following is an example of a natural colloid?

- a) Blood 
- b) Sodium chloride solution 
- c) Cane sugar solution 
- d) Urea solution 

Explanation:







 **Explanation:**







Blood is a **natural colloid** because:

- It contains **plasma** (a liquid) in which **cells and proteins** are dispersed.
- These dispersed particles are **large enough** to remain suspended but **too small** to settle or be filtered easily.
- It exhibits **colloidal properties** like the Tyndall effect and stability over time.

 **Why the others are incorrect:**

- **Sodium chloride solution** – This is a **true solution**, not a colloid. Salt dissolves completely at the molecular level.
- **Cane sugar solution** – Also a **true solution**; sugar molecules dissolve uniformly.
- **Urea solution** – Another **true solution**; urea dissolves completely in water.

Q. 47	<p>The book "Gita Rahasya", an interpretation of the Bhagavad Gita, was written by:</p> <p>a) Bal Gangadhar Tilak </p> <p>b) Swami Vivekananda </p> <p>c) Dayananda Saraswati </p> <p>d) Rabindranath Tagore </p>
Explanation:	<p> Correct Answer Recap:</p> <p>Bal Gangadhar Tilak – <i>Gita Rahasya</i></p> <ul style="list-style-type: none"> • A philosophical interpretation of the Bhagavad Gita, written during his imprisonment in Mandalay Jail. • Emphasizes Karma Yoga (path of action) as the true essence of the Gita. <p> Other Options – Notable Books:</p> <ul style="list-style-type: none"> • Swami Vivekananda – <i>Raja Yoga, Jnana Yoga, Karma Yoga, My Master</i> <ul style="list-style-type: none"> ◦ These works explore spiritual philosophy, Vedanta, and practical paths to self-realization. ◦ His speeches at the Parliament of Religions (1893) are also widely published. • Dayananda Saraswati – <i>Satyarth Prakash</i> <ul style="list-style-type: none"> ◦ A foundational text of the Arya Samaj movement, advocating Vedic revival, social reform, and rational interpretation of scriptures. • Rabindranath Tagore – <i>Gitanjali, The Home and the World, Chokher Bali, Gora</i> <ul style="list-style-type: none"> ◦ Gitanjali won him the Nobel Prize in Literature (1913). ◦ His works blend poetry, philosophy, nationalism, and humanism, often challenging colonial narratives.





Q. 48	<p>Which highest civilian honour was conferred on Prime Minister Narendra Modi during his state visit to Namibia?</p> <p>a) Order of the Most Ancient Welwitschia Mirabilis </p> <p>b) Order of the Leopard </p> <p>c) Order of the Rising Sun </p> <p>d) Order of Zayed </p>
Explanation:	<p>Correct Answer:  Order of the Most Ancient Welwitschia Mirabilis</p> <p> Explanation:</p> <ul style="list-style-type: none"> • During his state visit to Namibia on July 9, 2025, Prime Minister Narendra Modi was conferred with Namibia's highest civilian honour — the Order of the Most Ancient Welwitschia Mirabilis. • This prestigious award is named after the Welwitschia mirabilis, a rare and resilient desert plant native to Namibia, symbolizing endurance and strength. • The honour recognized PM Modi's contributions to democracy, sustainable development, and South-South cooperation, and marked a milestone in India–Namibia relations.

Q. 49


Consider the following statements about the United Nations Security Council (UNSC):

1. The UNSC can make binding decisions which member states are obligated to implement.
2. The five permanent members (P5) have the power to veto any substantive resolution.
3. The President of the Security Council is elected by all UN member states for a one-year term.

Which of the statements are Correct?

- a) Only 1 & 3 
- b) Only 2 & 3 
- c) Only 1 & 2 
- d) All of these 

Explanation:

Correct Statements:  Statements 1 and 2 are correct; Statement 3 is incorrect

 Detailed Explanation:

- **Statement 1: Correct**

The **United Nations Security Council (UNSC)** has the authority to make **binding decisions** under **Chapter VII of the UN Charter**, especially on matters related to **international peace and security**.

Member states are **obligated to implement** these decisions, such as sanctions, peacekeeping mandates, or military interventions.

- **Statement 2: Correct**

The **five permanent members (P5)** — **China, France, Russia, the United Kingdom, and the United States** — hold the **veto power**.








This means any one of them can **block a substantive resolution**, even if it has majority support.









- **Statement 3: Incorrect**





The **President of the UNSC** is **not elected by all UN member states**, nor is the term one year.

Instead, the presidency **rotates monthly** among the **15 member states** in **alphabetical order of their English names**.

Each member gets a turn to preside over the Council for **one month**, not one year.


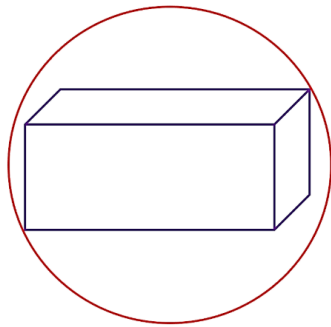
Q. 50	<p>Which scheme aims at improving the nutritional status of children below 6 years and pregnant women in India?</p> <p>a) Mid-Day Meal Scheme </p> <p>b) Svanidhi Scheme </p> <p>c) Poshan Scheme </p> <p>d) PM VIKAS Scheme </p>
Explanation:	<p>Correct Answer:  Poshan Scheme</p> <p> Explanation:</p> <ul style="list-style-type: none"> • The Poshan Scheme, officially known as POSHAN Abhiyaan (<i>Prime Minister's Overarching Scheme for Holistic Nourishment</i>), is India's flagship programme aimed at improving the nutritional status of children (0–6 years), pregnant women, lactating mothers, and adolescent girls. • Launched in 2018, it focuses on reducing stunting, under-nutrition, anemia, and low birth weight through a convergent, multi-ministerial approach. • It leverages Anganwadi services, real-time monitoring, and community participation (Jan Andolan) to ensure effective delivery of nutrition interventions. <p> Why Other Options Are Incorrect:</p> <ul style="list-style-type: none"> • Mid-Day Meal Scheme: Targets school-going children (ages 6–14), not children below 6 or pregnant women. • Svanidhi Scheme: Aims to support street vendors with working capital loans, not related to nutrition. • PM VIKAS Scheme: Focuses on skill development and entrepreneurship for minority communities, not nutritional health.

<p>Q. 51</p>	<p>If the mode of a data exceeds its mean by 21, then the mode exceeds the median by how much? (Use the empirical relation.)</p> <p>a) 9 </p> <p>b) 14 </p> <p>c) 18 </p> <p>d) 6 </p>
<p>Explanation:</p>	<p>Empirical formula: $\text{Mode} = 3 \times \text{Median} - 2 \times \text{Mean}$ $\text{Mode} - \text{Mean} = 21$ $\Rightarrow \text{Mode} = \text{Mean} + 21$</p> <p>$\text{Mean} + 21 = 3 \times \text{Median} - 2 \times \text{Mean}$ $\Rightarrow 3 \times \text{Median} = 3 \times \text{Mean} + 21$ $\Rightarrow \text{Median} = \text{Mean} + 7$ $\text{Mode} - \text{Median} = (\text{Mean} + 21) - (\text{Mean} + 7) = 14$</p>
<p>Q. 52</p>	<p>If $x = 252$, $y = 253$, and $z = 255$, then the value of $x^3 + y^3 + z^3 - 3xyz$ is?</p> <p>a) 5640 </p> <p>b) 5320 </p> <p>c) 5142 </p> <p>d) 5530 </p>
<p>Explanation:</p>	<p>$x^3 + y^3 + z^3 - 3xyz = (x + y + z) [(x - y)^2 + (y - z)^2 + (z - x)^2] / 2$</p> <p>$(x - y)^2 = (252 - 253)^2 = (-1)^2 = 1$ $(y - z)^2 = (253 - 255)^2 = (-2)^2 = 4$ $(z - x)^2 = (255 - 252)^2 = 3^2 = 9$</p> <p>Sum = $1 + 4 + 9 = 14$ $(x^3 + y^3 + z^3 - 3xyz) = (x + y + z) \times (14 / 2)$ $= 7 \times (252 + 253 + 255)$ $= 7 \times 760 = 5320 \text{ (Ans)}$</p>

Q. 53	<p>The sum of two numbers is 180 and their HCF is 15. How many such pairs of numbers satisfy the above condition?</p> <p>a) 1 </p> <p>b) 2 </p> <p>c) 3 </p> <p>d) 4 </p>
Explanation:	<p>Let the two numbers be $15a$ and $15b$ (HCF is 15 \Rightarrow numbers are multiples of 15 and a, b are co-prime)</p> <p>Given: $15a + 15b = 180$ $\Rightarrow 15(a + b) = 180$ $\Rightarrow a + b = 12$</p> <p>Valid co-prime pairs: (5, 7) (1, 11)</p> <p>Total such pairs = 2</p>

Q. 54

The surface area of a closed rectangular box, which is inscribed in a sphere, is 768 sq cm, and the sum of the lengths of all its edges is 152 cm. Find the radius of the sphere?

a) 9 b) 13 c) 15 d) 7 **Explanation:**

$$\text{Surface area} = 2(lb + bh + hl) = 768$$

$$\text{Sum of all edges} = 4(l + b + h) = 152$$

$$\Rightarrow l + b + h = 152 \div 4 = \mathbf{38}$$

$$(l + b + h)^2 = l^2 + b^2 + h^2 + 2(lb + bh + hl)$$

$$\Rightarrow 38^2 = l^2 + b^2 + h^2 + 768$$

$$\Rightarrow 1444 = l^2 + b^2 + h^2 + 768$$


$$\Rightarrow l^2 + b^2 + h^2 = 1444 - 768 = 676$$

$$\text{Diagonal} = \sqrt{l^2 + b^2 + h^2} = \sqrt{676} = 26$$

$$\Rightarrow \text{Radius} = 26 \div 2 = 13 \text{ cm (Ans)}$$

Q. 55

A fruit-seller mixes 50 litres of glycerin with 150 litres of rose water. From this mixture D litres are taken out and set aside. Then 20 litres glycerin and 30 litres rose water are poured into the remaining mixture. The final mixture contains 30% glycerin. Find the quantity D (in litres) that was taken out.

a) 50 b) 25 c) 100 d) 75 **Explanation:**

Initial mixture:

Glycerin = 50 litres

Rose water = 150 litres

Total = 200 litres

Glycerine % = $50/200 * 100\% = 25\%$

Let D litres be removed,

Solution new = $200 - D$

Glycerine % = 25%

Add:

Glycerin = +20 litres

Rose water = +30 litres

Total = 50 litres

Final mixture:

Glycerin % = $20/50 * 100\% = 40\%$

(200-D) L	50 L
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25%	40%
-----	-----

30%

10%	5%
-----	----

2	<u>:</u>	1
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1 -> 50 L


2 -> 100 L


 $100 = 200 - D$ $D = 100L$


Q. 56

An examination was held across 180 centres. The average number of students per centre was reported as 1425. Later, it was discovered that at one centre, the number of students was recorded as 1632 instead of 1532. What is the correct average number of students per centre (up to two decimal places)?

a) 1425.66 

b) 1423.64 

c) 1424.44 

d) 1426.54 

Explanation:

Basic Method:-

Reported average = 1425

Centres = 180

Reported total = $180 \times 1425 = 256500$

Error: One centre recorded 1632 instead of 1532

Excess = $1632 - 1532 = 100$

Correct total = $256500 - 100 = 256400$

Correct average = $256400 \div 180 = 1424.44$

Answer: 1424.44

Faster Approach:-

Incorrect entry = 1632

Correct entry = 1532

Deviation = $1632 - 1532 = 100$





Correct average = Reported average – (Deviation ÷ Total centres)

= $1425 - (100 \div 180)$

= $1425 - 0.555...$





= 1424.44

Answer: 1424.44

Q. 57	<p>A & B entered into partnership, A investing Rs 10,000 and B Rs 8,000. After 4 months, A withdrew Rs 3,000 while B invested Rs 2,500 more. After another 5 months, C joins the business with a capital of Rs 15,000. The share of B exceeds that of C out of a total profit of Rs 57,825 after one year by how much?</p> <p>a) 18,723 </p> <p>b) 13,450 </p> <p>c) 15,975 </p> <p>d) 21,964 </p>
Explanation:	<p>A: $10,000 \times 4 + 7,000 \times 8 = 40,000 + 56,000 = 96,000$ B: $8,000 \times 4 + 10,500 \times 8 = 32,000 + 84,000 = 116,000$ C: $15,000 \times 3 = 45,000$</p> <p>Ratio A : B : C = 96,000 : 116,000 : 45,000 Total parts = $96 + 116 + 45 = 257$</p> <p>Total profit = ₹57,825 Value of 1 part = $57,825 \div 257 = ₹225$</p> <p>Difference of B and C shares = $116 - 45 \Rightarrow 71$ units $\Rightarrow 71 \times 225 \Rightarrow 15,975$ Answer: ₹15,975</p>

Q. 58**Simplify the given expression:**

$$\frac{\sqrt[3]{1728} + \left(\frac{3}{4}\right)^{-2} - \frac{225}{15}}{\sqrt{784} \div \sqrt[4]{16} + \frac{7}{49}}$$

a) 7/81 b) 5/81 c) -7/81 d) -5/81 **Explanation:**

Given expression:

$$(\sqrt[3]{1728} + (3/4)^{-2} - 225/15) \div (\sqrt{784} \div \sqrt[4]{16} + 7/49)$$

Simplify numerator

$$\sqrt[3]{1728} = 12$$

$$(3/4)^{-2} = (4/3)^2 = 16/9$$

$$225 \div 15 = 15$$

$$\Rightarrow \text{Numerator} = 12 + 16/9 - 15 = (-3 + 16/9) = -11/9$$

Simplify denominator

$$\sqrt{784} = 28$$

$$\sqrt[4]{16} = 2$$

$$28 \div 2 = 14$$





$$7 \div 49 = 1/7$$





$$\Rightarrow \text{Denominator} = 14 + 1/7 = 99/7$$





Final expression

$$(-11/9) \div (99/7) = (-11/9) \times (7/99) = -77/891$$

$$\Rightarrow -7/81 \text{ (Ans)}$$

Q. 59	<p>From point A on level ground the angle of elevation of the top of a tower is 30°. A man walks 40 m straight towards the tower to point B, now the angle of elevation is 60°. Find the height of the tower?</p> <p>a) $40\sqrt{3}$ m </p> <p>b) 20m </p> <p>c) $20\sqrt{3}$ m </p> <p>d) 40 m </p>
Explanation:	$\tan 30^\circ = h / x$ $\Rightarrow 1/\sqrt{3} = h / x$ $\Rightarrow x = \sqrt{3}h$ $\tan 60^\circ = h / (x - 40)$ $\Rightarrow \sqrt{3} = h / (x - 40)$ $\Rightarrow x - 40 = h / \sqrt{3}$ $\sqrt{3}h - 40 = h / \sqrt{3}$ <p>Multiply both sides by $\sqrt{3}$:</p> $3h - 40\sqrt{3} = h$ $\Rightarrow 2h = 40\sqrt{3}$ $\Rightarrow h = 20\sqrt{3} \text{ m}$

Q. 60	<p>Raman invests Rs. x in insurance which gives her returns at 44% annually and Rs. y in mutual funds which gives her returns of 10% compounded half yearly. If Raman gets the same amount from both the investments after 1 year, then what is the square root of the ratio of x to y?</p> <p>a) 9 : 11 </p> <p>b) 7 : 8 </p> <p>c) 21 : 23 </p> <p>d) 5 : 6 </p>
Explanation:	<p>Insurance: Simple Interest at 44%</p> <p>→ Total amount = $x + 0.44x = 1.44x$</p> <p>Mutual Funds: 10% compounded half yearly</p> <p>→ Rate per half year = 5%</p> <p>→ 2 periods in 1 year</p> <p>→ Effective annual rate = $5 + 5 + (5 \times 5)/100 = 10.25\%$</p> <p>→ Amount from ₹y $\times 1.1025$</p> <p>Equating both amounts:</p> $1.44x = 1.1025y$ $\Rightarrow x/y = 1.1025 / 1.44 = 1225 / 1600$ $\Rightarrow \sqrt{(x/y)} = \sqrt{(1225 / 1600)} = \sqrt{1225} / \sqrt{1600} = 35 / 40$ <p>Answer: $35/40 = 7/8$</p>

Q. 61	<p>If $\sin A + \cos A = \sqrt{2}$, then find the value of $\tan A + \cot A + 2 \sin A \cos A$.</p> <p>a) 3 </p> <p>b) 1 </p> <p>c) 2 </p> <p>d) 1/2 </p>
Explanation:	$(\sin A + \cos A)^2 = (\sqrt{2})^2$ $\Rightarrow \sin^2 A + \cos^2 A + 2 \sin A \cos A = 2$ $\Rightarrow 1 + 2 \sin A \cos A = 2$ $\Rightarrow 2 \sin A \cos A = 1$ $\Rightarrow \sin A \cos A = 0.5$ $\tan A + \cot A = (\sin A / \cos A) + (\cos A / \sin A)$ $= (\sin^2 A + \cos^2 A) / (\sin A \cos A)$ $= 1 / (0.5) = 2$ $\tan A + \cot A + 2 \sin A \cos A = 2 + 1 = 3(\text{Ans})$

Q. 62

Mr. Gupta left his estate. He directed that $\frac{7}{12}$ of his total estate be given to his nephew and niece together, in the ratio 5 : 2 respectively. The niece must donate one third of the amount she receives to a charity. From the remaining part of the estate (i.e., after the $\frac{7}{12}$ was distributed to nephew and niece), Mr. Gupta gave one fifth to his sister; the rest, which amounted to Rs. 24,000, was left to a trust. How much did the niece donate to the charity?

a) ₹8,000 b) ₹2,000 c) ₹10,000 d) ₹4,000 **Explanation:**

Let total estate = E

Amount given to nephew and niece = $(\frac{7}{12})E$

Ratio = 5 : 2 \rightarrow Total parts = 7

Niece's share = $(\frac{2}{7}) \times (\frac{7}{12})E = (\frac{2}{12})E = E/6$

She donates $\frac{1}{3}$ of her share to charity

Donation = $(\frac{1}{3}) \times (E/6) = E/18$

Now calculate E:

Remaining estate = $(1 - \frac{7}{12})E = (\frac{5}{12})E$

From this, $\frac{1}{5}$ given to sister $\rightarrow (\frac{1}{5}) \times (\frac{5}{12})E = (\frac{1}{12})E$

Remaining = $(\frac{5}{12})E - (\frac{1}{12})E = (\frac{4}{12})E = E/3$





This remaining amount = ₹24,000

$\Rightarrow E/3 = 24,000$

$\Rightarrow E = 72,000$




Now, donation = $E/18 = 72,000 \div 18 = ₹4,000$

Answer: ₹4,000

Q. 63	<p>If the areas of two similar triangles are in the ratio 144 : 256, what would be the ratio of the corresponding sides?</p> <p>a) 3 : 4 </p> <p>b) 4 : 3 </p> <p>c) 12 : 15 </p> <p>d) 15 : 12 </p>
Explanation:	<p>Ratio of areas = 144 : 256</p> <p>Ratio of sides = $\sqrt{144} : \sqrt{256} = 12 : 16 = 3 : 4$</p> <p>Answer: 3 : 4</p>

Q. 64

The distance between point P and point Q is 300 km. A person starts from P with a speed of y km/h, and at the same time another person starts from Q with a speed of $y+20$ km/h towards P. They meet after 3 hours. Find the ratio of their speeds.

a) 4 : 5 b) 2 : 3 c) 5 : 4 d) 3 : 2 **Explanation:**





Let speed of person from P = y
Speed of person from Q = $y + 20$
Time = 3 hours
Distance = 300 km

Total distance covered = $(y + y + 20) \times 3 \Rightarrow (2y + 20) \times 3$
 $\Rightarrow 3(2y + 20) = 300$
 $\Rightarrow 6y + 60 = 300$
 $\Rightarrow 6y = 240$
 $\Rightarrow y = 40$

So speeds are:
Person from P = $y = 40$ km/h
Person from Q = $y + 20 = 60$ km/h

Ratio of speeds = $40 : 60 = 2 : 3$

Answer: 2 : 3

Q. 65	<p>$9^{12} + 9^{13} + 9^{14}$ is divisible by which of the following given numbers?</p> <p>a) 13 </p> <p>b) 5 </p> <p>c) 11 </p> <p>d) 17 </p>
Explanation:	<p>Given expression: $9^{12} + 9^{13} + 9^{14}$</p> <p>Factor out 9^{12}:</p> $= 9^{12}(1 + 9 + 9^2)$ $= 9^{12}(1 + 9 + 81)$ $= 9^{12} \times 91$ <p>Now check divisibility:</p> <p>$91 = 13 \times 7$ So the expression is divisible by 13</p> <p>Answer: 13</p>

Q. 66

If worker P works alone, he would take 16 days more to complete a job than if both P and Q worked together. If Q worked alone, he would take 9 days more than if both P and Q work together. How many days will they take to complete the work if both of them work together?

a) 12 days b) 8 days c) 9 days d) 6 days **Explanation:**

Short trick = $\text{root}(9 \times 16) = 12$

Let time taken by P + Q together = x

Then:

P alone = x + 16

Q alone = x + 9

Use shortcut:

$$x = \sqrt{(16 \times 9)} = \sqrt{144} = 12$$

So:

$$P = 12 + 16 = 28 \text{ days}$$

$$Q = 12 + 9 = 21 \text{ days}$$

Now take LCM of P and Q to find total work:

LCM of 28 and 21 = 84 units (assumed total work)

Work per day:

$$P = 84 \div 28 = 3 \text{ units/day}$$

$$Q = 84 \div 21 = 4 \text{ units/day}$$

$$P + Q = 3 + 4 = 7 \text{ units/day}$$

$$\text{Time to complete work together} = 84 \div 7 = 12 \text{ days}$$

Answer: 12 days

Q. 67

ABC is an equilateral triangle inscribed in a circle with $AB = 12$ cm. Suppose bisector of angle B meets AC at X and circle at Y, then what is the value of $2 \times BX \times BY$?

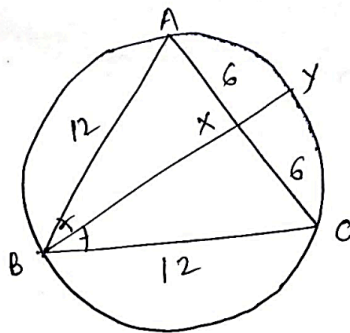
a) 288 cm ✓

b) $108\sqrt{3}$ cm ✗

c) 144 cm ✗

d) $216\sqrt{3}$ cm ✗

Explanation:



$$BX = \frac{\sqrt{3}}{2} \times 12 = 6\sqrt{3}$$





$$\Rightarrow AX \times XC = BX \times XY$$

$$\Rightarrow 6 \times 6 = 6\sqrt{3} \times xy$$

$$\Rightarrow xy = 2\sqrt{3}$$

$$\therefore 2BX \times BY$$


$$= 2 \times 6\sqrt{3} \times 8\sqrt{3} = 288 \text{ cm}$$

Q. 68	<p>A shopkeeper sold 7/9 of his articles at a gain of 25% and the remaining at the cost price. What is his gain percentage in the whole transaction?</p> <p>a) 17.42% </p> <p>b) 20.56% </p> <p>c) 19.44% </p> <p>d) 12.48% </p>
Explanation:	<p>7/9 articles sold at 25% gain</p> <p>2/9 articles sold at 0% gain (cost price)</p> <p>Overall gain % = $(7 \times 25\% + 2 \times 0\%) / 9$</p> <p>= $(175 + 0) / 9$</p> <p>= $175 / 9$</p> <p>= $19(4/9)\% = 19.44\%$</p>

Q. 69

If the diameter of the base of a cone is 28 cm and its curved surface area is 2200 cm², then what will be its volume (in cm³)?

a) 8562 cm³ 

b) 9856 cm³ 

c) 7564 cm³ 

d) 9658 cm³ 

Explanation:

$$\pi r l = 2200$$

$$\Rightarrow 22/7 \times 14 \times l = 2200$$

$$\Rightarrow 44l = 2200$$

$$\Rightarrow l = 50 \text{ cm}$$

$$l^2 = r^2 + h^2$$

$$\Rightarrow 50^2 = 14^2 + h^2$$

$$\Rightarrow 2500 = 196 + h^2$$

$$\Rightarrow h^2 = 2304$$

$$\Rightarrow h = \sqrt{2304} = 48 \text{ cm}$$

$$V = (1/3)\pi r^2 h$$





$$= (1/3) \times 22/7 \times 14^2 \times 48$$

$$= (1/3) \times 22/7 \times 196 \times 48$$

$$= (1/3) \times 22 \times 28 \times 48$$

$$= (1/3) \times 29568$$

$$= 9856 \text{ cm}^3$$

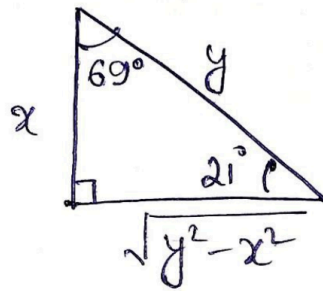
Q. 70	<p>A is twice as efficient as B. Together they finish a piece of work in 10 days. How many days will A take to finish half work alone?</p> <p>a) 20 days </p> <p>b) 15 days </p> <p>c) 10 days </p> <p>d) 7.5 days </p>
Explanation:	<p>A is twice as efficient as B $\Rightarrow A : B = 2 : 1$</p> <p>Total work = $(2 + 1) \times 10 = 30$ units</p> <p>A's efficiency = 2 units/day</p> <p>Time taken by A alone to finish half work = $(30/2) \div 2 = 7.5$ days</p>

Q. 71

If $\sin 21^\circ = x/y$, then $\sec 21^\circ - \sin 69^\circ$ is equal to:

- a) $\frac{x}{y\sqrt{y^2 - x^2}}$ ✗
- b) $\frac{y}{x\sqrt{x^2 - y^2}}$ ✗
- c) $\frac{y^2}{x\sqrt{x^2 - y^2}}$ ✗
- d) $\frac{x^2}{y\sqrt{y^2 - x^2}}$ ✓

Explanation:







$$\sec 21^\circ - \sin 69^\circ$$

$$\Rightarrow \frac{y}{\sqrt{y^2 - x^2}} - \frac{\sqrt{y^2 - x^2}}{y}$$





$$\Rightarrow \frac{y^2 - (y^2 - x^2)}{y\sqrt{y^2 - x^2}}$$

$$\Rightarrow \frac{x^2}{y\sqrt{y^2 - x^2}}$$

Q. 72	<p>At a round-table conference, 12 people (including Raj and Priya) are to be seated at a round table. What is the probability that Raj and Priya will be seated next to each other?</p> <p>a) $11/12$ </p> <p>b) $1/6$ </p> <p>c) $2/11$ </p> <p>d) $1/11$ </p>
Explanation:	<p>Total people = 12 In circular arrangement, $(n - 1)! = 11!$ total arrangements</p> <p>Treat Raj and Priya as one pair \rightarrow remaining = 11 people Ways to arrange the pair = 2 (Raj-Priya or Priya-Raj) Ways to arrange rest = $(11 - 1)! = 10!$</p> <p>Favorable cases = $2 \times 10!$ Total cases = $11!$</p> <p>Probability = $(2 \times 10!) / 11! = 2 / 11$</p> <p>Answer: $2/11$</p>

Q. 73

A mango seller buys some mangoes. By selling 25% of them he recovers the cost price of all the mangoes. As the remaining mangoes start to overripen, he reduces the price and sells 80% of the remaining mangoes at half the previous rate of profit. The rest become rotten and are thrown away. What is the seller's overall percentage profit on the whole lot?

a) 100% b) 150% c) 200% d) 50% **Explanation:**

Let total mangoes = 100

Let cost price of each mango = ₹1

⇒ Total cost = ₹100

Sells 25% = 25 mangoes

He recovers full cost from this sale ⇒ Selling price = ₹100

⇒ SP per mango = ₹100 ÷ 25 = ₹4

⇒ Profit per mango = ₹4 – ₹1 = ₹3

⇒ Profit % = $(3/1) \times 100 = 300\%$

Remaining mangoes = 75

He sells 80% of these = $0.8 \times 75 = 60$ mangoes

At half the previous profit ⇒ Profit % = 150%

⇒ CP = ₹1, Profit = ₹1.50, SP = ₹2.50

⇒ Total SP = $60 \times ₹2.50 = ₹150$

Remaining 15 mangoes are rotten ⇒ No sale

Total SP = ₹100 (from first 25) + ₹150 (from next 60) = ₹250

Total CP = ₹100


Profit = ₹250 – ₹100 = ₹150


Profit % = $(150 / 100) \times 100 = 150\%$


Answer: 150%


Q. 74

The lines $2x + 3y - 6 = 0$, $3x + 2y - 12 = 0$ and the line l are concurrent. If the line l passes through the origin, then its equation is:

a) $4x + y = 0$ 

b) $x + 2y = 0$ 

c) $2x + y = 0$ 

d) $x + 4y = 0$ 

Explanation:

$$l: (2x + 3y - 6) + k(3x + 2y - 12) = 0$$

$$2(0) + 3(0) - 6 + k(3(0) + 2(0) - 12) = 0$$

(Since, it passes through origin.)

$$\Rightarrow -6 + k(-12) = 0$$

$$\Rightarrow -6 - 12k = 0$$

$$\Rightarrow k = -0.5$$

$$l: (2x + 3y - 6) - 0.5(3x + 2y - 12) = 0$$

$$= [2x + 3y - 6] - [1.5x + y - 6] = 0$$

$$\Rightarrow (2x - 1.5x) + (3y - y) + (-6 + 6) = 0$$

$$\Rightarrow 0.5x + 2y = 0$$

$$\Rightarrow x + 4y = 0 \text{ (Ans)}$$

Faster approach:

Find the point of intersection of both the lines and check which equation satisfies.

Q. 75

Find the positive square root of $92 - 24\sqrt{6 - 4\sqrt{2}}$

a) $6 + 2\sqrt{2}$ ✓

b) $8 - 2\sqrt{2}$ ✗

c) $8 - 4\sqrt{2}$ ✗

d) $6 - 2\sqrt{2}$ ✗

Explanation:

$$\Rightarrow 92 - 24\sqrt{6 - 4\sqrt{2}}$$

$$\Rightarrow 92 - 24\sqrt{(2 - \sqrt{2})^2}$$

$$\Rightarrow 92 - 24(2 - \sqrt{2}) \Rightarrow 92 - 48 + 24\sqrt{2}$$










$$\Rightarrow 44 + 24\sqrt{2} \Rightarrow 44 + 2 \times 12\sqrt{2}$$









$$\Rightarrow (6)^2 + (2\sqrt{2})^2 + 2 \times 6 \times 2\sqrt{2}$$

$$\Rightarrow (6 + 2\sqrt{2})^2$$

$$\text{Square root of } (6 + 2\sqrt{2})^2$$

$$\Rightarrow 6 + 2\sqrt{2} \text{ (Ans)}$$


Q. 76	<p>Change the sentence into its negative form without changing the meaning:</p> <p>Sentence: <i>Only doctors are allowed to enter this ward.</i></p> <p>a) None else but doctors are allowed to enter this ward. </p> <p>b) None but doctors are allowed to enter this ward. </p> <p>c) No one but the doctors are not allowed to enter this ward. </p> <p>d) Not only doctors are allowed to enter this ward. </p>
Explanation:	<p>Explanation in Detail:</p> <ul style="list-style-type: none"> • Rule: <i>Only + subject/noun</i> → <i>None but + subject/noun</i>. • Here: <i>Only doctors</i> → <i>None but doctors</i>. • Let's check options: <ul style="list-style-type: none"> ◦ A ("None else but...") is extra; not standard. ◦ B is correct because it directly follows the transformation rule. ◦ C uses a double negative structure, which is wrong. ◦ D changes meaning completely (suggests inclusion of others). <p>So  B is correct.</p>
Q. 77	<p>Read the sentence below and select the option that best completes the idiom:</p> <p>"Before the results were announced, Rohan was _____ as a June bug, unable to sit still in his chair."</p> <p>a) as dormant </p> <p>b) as jittery </p> <p>c) as calm </p> <p>d) as drowsy </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none"> • The correct idiom is "jittery as a June bug," meaning extremely nervous or restless. • (B) "As jittery" correctly completes the idiom and fits the context of anxiousness. • (A) "As dormant," (C) "as calm," and (D) "as drowsy" are all antonyms or unrelated and would not make sense with the phrase. • The idiom often describes someone who is visibly agitated or unable to remain still due to nervousness.


<p>Q. 78</p>	<p>In the sentence below, identify the part of speech of the word "most":</p> <p>"She is the most erudite learner of my class."</p> <p>a) Adjective </p> <p>b) Adverb </p> <p>c) Pronoun </p> <p>d) Determiner </p>
<p>Explanation:</p>	<p>Explanation:</p> <ul style="list-style-type: none"> • In this sentence, "most" is an adverb modifying the adjective "erudite," indicating the superlative degree (highest extent) of her erudition among the learners. • It is not acting as an adjective because it does not directly modify a noun here, but qualifies the adjective. • It is also not a pronoun or determiner in this context.
<p>Q. 79</p>	<p>In the following sentences, the word "right" is used with the same spelling but with different meanings.</p> <p>Identify the sentence where "right" means correct or true:</p> <p>a) She turned right at the corner to reach the library. </p> <p>b) It is only right to help those in need. </p> <p>c) The worker fought for his right to fair wages. </p> <p>d) Please raise your right hand and take the oath. </p>
<p>Explanation:</p>	<p>Explanation:</p> <ul style="list-style-type: none"> • In (B), "right" means morally correct or just, which aligns with the meaning of correct/truthful. • In (A), "right" means the direction opposite of left. • In (C), "right" refers to an entitlement or legal claim. • In (D), "right" describes the side (the opposite of left) pertaining to the hand.


Q. 80


Match the phrases in Column A with their appropriate one-word substitutions in Column B:

Column A	Column B
1. Using more words than necessary	A. Corrigendum
2. Statement of beliefs	B. Palliation
3. Correction in a printed work	C. Verbose
4. Easing severity (not removing cause)	D. Creed

a) 1-C, 2-D, 3-A, 4-B 





b) 1-A, 2-B, 3-D, 4-C 





c) 1-B, 2-C, 3-A, 4-D 





d) 1-D, 2-A, 3-B, 4-C 









Explanation:**Explanations**





- Verbose (C): Means 'using more words than necessary; wordy'.
- Creed (D): Refers to a system or statement of fundamental beliefs.
- Corrigendum (A): Correction in a printed work, typically listed separately after printing.
- Palliation (B): Easing the severity of pain or a problem without curing the underlying cause





Q. 81	<p>Direct: The Chief Minister said, "We are deploying rescue teams across affected districts and intensifying relief operations."</p> <p>Choose the correct indirect speech form:</p> <p>a) The Chief Minister said they are deploying rescue teams across affected districts and intensifying relief operations. </p> <p>b) The Chief Minister stated that rescue teams were deployed across affected districts and relief operations are intensified. </p> <p>c) The Chief Minister said that they were deploying rescue teams across affected districts and intensifying relief operations. </p> <p>d) The Chief Minister said that rescue teams deploy across affected districts and relief operations intensified. </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none"> • The reporting verb "said" requires a backshift in tense in reported speech, so present continuous "are deploying" changes to past continuous "were deploying." • The phrase "intensifying relief operations" remains present continuous, backshifted to "intensifying." • Option (A) wrongly keeps present tense. • Option (B) incorrectly changes verb forms and lacks the correct continuous tense. • Option (D) is grammatically incorrect for reported speech format.





Q. 82	<p>Choose the most appropriate synonym of the word "oracular" to complete the sentence:</p> <p>"The ancient priestess gave _____ message that left the crowd wondering about its true meaning."</p> <p>a) clear </p> <p>b) mysterious </p> <p>c) obvious </p> <p>d) simple </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none"> • Oracular means mysterious, prophetic, or ambiguous, matching well with "mysterious." • The other options contradict or simplify the meaning of "oracular," making them incorrect.





Q. 83	<p>Read the following sentence carefully and identify the type of the underlined clause:</p> <p>"She left the station <u>because she missed the train.</u>"</p> <p>a) Noun Clause </p> <p>b) Adjective Clause </p> <p>c) Adverb Clause </p> <p>d) Relative Clause </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none"> • The underlined clause "because she missed the train" explains the reason why she left the station, thus functioning as an adverbial clause of reason. • It modifies the verb "left," telling us <i>why</i> the action happened. • It is not a noun clause (which acts as a subject or object), nor an adjective/relative clause (which modifies a noun).





Q. 84	<p>Identify the part of the sentence that contains a grammatical error:</p> <p>"Despite the BJP and the Congress both claiming that their respective manifestos promises to address the country's pressing economic issues effectively, the widespread public criticism over the vague policies."</p> <p>a) that their respective manifestos promises </p> <p>b) Despite the BJP and the Congress both claiming </p> <p>c) to address the country's pressing economic issues effectively, </p> <p>d) the widespread public criticism over the vague policies </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none"> The error lies in subject-verb agreement. The plural subject "manifestos" should be followed by the plural verb "promise," not the singular "promises." Correct form: "their respective manifestos promise to address..." Other parts of the sentence are grammatically correct but complex, adding to the subtlety of the correct answer.
Q. 85	<p>Choose the most appropriate one-word substitute for the following description:</p> <p>"A room or space located below the ground floor of a building, usually used for storing wine, food, or other items that need cool and dry conditions, often built underground for preservation purposes."</p> <p>a) Attic </p> <p>b) Cellar </p> <p>c) Loft </p> <p>d) Balcony </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none"> A cellar is specifically an underground room used for storage, especially for goods needing cool conditions. An attic or loft is an upper space beneath the roof, not below ground. A balcony is an external platform projecting from a building.





Q. 86	<p>Rewrite the following sentence in active voice by choosing the correct option:</p> <p>"India was imposed with a 200% tariff by the US on several key exports amid rising trade tensions."</p> <p>a) The US imposed a 200% tariff on several key Indian exports amid rising trade tensions. </p> <p>b) A 200% tariff by the US was imposed on India amid rising trade tensions. </p> <p>c) Several key exports were imposed a 200% tariff by India during trade tensions. </p> <p>d) The US imposed India on several key exports with a 200% tariff amid rising trade tensions. </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none"> • In the passive sentence, "India" is the receiver of the action, and "the US" is the agent performing the action with "by." • Changing to active voice requires making "the US" the subject performing the action, followed by the verb "imposed," and then the object, "a 200% tariff on several key Indian exports." • Option (B) is still passive. • Option (C) wrongly attributes action to India and misuses the sentence structure. • Option (D) is grammatically and logically incorrect.





Q. 87	<p>Rearrange the following parts (P, Q, R, S) to form a coherent paragraph:</p> <p>P) One of the most effective ways to eradicate poverty is through improving education and skill development.</p> <p>Q) Moreover, economic policies focused on inclusive growth ensure that the benefits of development reach all sections of society.</p> <p>R) Alongside this, governments must implement social welfare programs to support vulnerable populations during transitional phases.</p> <p>S) When individuals are equipped with marketable skills, they become more employable and can secure better-paying jobs.</p> <p>a) PQRS </p> <p>b) QPSR </p> <p>c) PSQR </p> <p>d) PSRQ </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none"> • Sentence P introduces the initial approach by focusing on education and skill development. • Sentence S logically follows by explaining the benefit of skill development on employability. • Sentence R introduces government intervention with welfare programs as a complementary strategy. • Sentence Q concludes by emphasizing inclusive economic policies for broad impact.





Q. 88	<p>Choose the word that is the most appropriate antonym of "nimble":</p> <p>a) Agile </p> <p>b) Stiff </p> <p>c) Active </p> <p>d) Bright </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none"> • Nimble means quick and light in movement or action; agile and dexterous. • The word stiff means rigid, inflexible, or lacking ease of movement, making it the direct opposite of nimble. • Options (A) agile and (C) active are synonyms or related words indicating movement or energy, so they are incorrect. • Option (D) bright relates to intelligence or light and is unrelated as an antonym of nimble.





Q. 89	<p>Identify the part of the sentence that contains a grammatical error:</p> <p>"After the policies were successfully implemented, the government had announced several initiatives that was designed to boost economic growth and ensured better social welfare."</p> <p>a) After the policies were successfully implemented, </p> <p>b) the government had announced several initiatives </p> <p>c) that was designed to boost economic growth </p> <p>d) and ensured better social welfare. </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none"> • The relative pronoun "that" refers to "initiatives" (plural), so the verb should be plural "were designed" instead of singular "was designed."





Q. 90	<p>Change the following sentence into its negative form:</p> <p><i>I will always follow the teacher of philosophy who lives near the cave.</i></p> <p>a) I will never follow the teacher of philosophy who lives near the cave. </p> <p>b) I will not always follow the teacher of philosophy who lives near the cave. </p> <p>c) I will not follow the teacher of philosophy who lives near the cave. </p> <p>d) I will never fail to follow the teacher of philosophy who lives near the cave. </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none"> • "Always" (affirmative) can be expressed as "never fail to" in negative form. • The meaning must stay the same: <ul style="list-style-type: none"> ◦ "Always follow" = continuity without failure. ◦ "Never fail to follow" = same meaning, but expressed negatively. <p>Options A, C, and B change or distort the meaning.</p>

Q. 91	<p>Convert the following sentence to direct speech: She said that a powerful earthquake had struck Afghanistan yesterday, causing widespread damage.</p> <p>a) She said, "A powerful earthquake strikes Afghanistan yesterday, causing widespread damage." </p> <p>b) She said, "A powerful earthquake had struck Afghanistan yesterday causing widespread damage." </p> <p>c) She said, "A powerful earthquake struck Afghanistan yesterday, causing widespread damage." </p> <p>d) She said, "A powerful earthquake will strike Afghanistan yesterday causing widespread damage." </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none"> • In indirect speech, past perfect "had struck" becomes simple past "struck" in direct speech. • The adverb "yesterday" remains the same as it fits both forms. • Option (C) correctly reflects the use of simple past and proper sentence structure. • Options (A) and (D) incorrectly use present and future tense. • Option (B) incorrectly retains past perfect in direct speech.

Q. 92	<p>Choose the option in which the underlined word is misspelled:</p> <p>a) The new government formed a strong coalition to address economic challenges. </p> <p>b) Their victory in the championship was truly exhilarated, filling fans with excitement. </p> <p>c) The workers used large machines to dredge the river for navigation. </p> <p>d) It is a great priviledge to be part of such a prestigious organization. </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none"> • The correct spelling is "privilege." • "Priviledge" is a common misspelling often confused due to similarity with words like "bridge" or "dredge." • The other words (coalition, exhilarated, dredge) are correctly spelled.

Q. 93	<p>Choose the option that best explains the meaning of the idiom "to take a back seat":</p> <p>a) To become less important or to give up control over something. </p> <p>b) To remain silent but maintain full control. </p> <p>c) To aggressively seek the centre of attention. </p> <p>d) To refuse to cooperate in a group effort. </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none">• The idiom "to take a back seat" means willingly stepping aside from a prominent role or responsibility, letting others take charge or priority.• It symbolizes humility or conceding control and importance.• Options (B), (C), and (D) convey meanings opposite or unrelated to the idiom.• For example: "After retirement, he decided to take a back seat and let younger members lead."

Q. 94	<p>Choose the correct passive voice form of the sentence below:</p> <p>"Gurugram became flooded due to heavy rains, and the government closed all schools to ensure safety."</p> <p>a) All schools were closed by the government to ensure safety, and Gurugram was flooded due to heavy rains. </p> <p>b) The government was closed by all schools due to flooding in Gurugram caused by heavy rains. </p> <p>c) Due to heavy rains, Gurugram floods and all schools are closed by the government. </p> <p>d) Gurugram was flooded by heavy rains, and all schools were closed by the government to ensure safety. </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none"> • In passive voice, the subject receiving the action comes at the start. • "Gurugram became flooded" changes to "Gurugram was flooded by heavy rains." • "The government closed all schools" changes to "All schools were closed by the government." • Option (D) correctly maintains tense, voice, and logical order. • Option (A) switches the order unnaturally and is less precise. • Option (B) is illogical and incorrect. • Option (C) has tense and subject-verb agreement errors.

Q. 95	<p>Choose the option that is a correct compound sentence:</p> <p>a) The rain started heavily, so we took shelter under a tree. </p> <p>b) Although it was raining, we decided to continue our journey. </p> <p>c) The girl who studies hard will pass the exam. </p> <p>d) Because the shop was closed, we went to another store. </p>
Explanation:	<p>Explanation:</p> <ul style="list-style-type: none">• Option A is a compound sentence made by joining two independent clauses ("The rain started heavily" and "we took shelter under a tree") with the coordinating conjunction so.• Options B and D are complex sentences because they use subordinating conjunctions although and because, introducing dependent clauses.• Option C is a complex sentence with a relative clause modifying "The girl."

Q. 96





Read the cloze test passage carefully and fill up the blanks.

Recently, severe flooding in the Jammu and Kashmir region, particularly near the Vaishno Devi shrine, has caused widespread devastation. Heavy rains led to the sudden rise of river waters, resulting in widespread (1) _ and displacement of thousands of residents. The floodwaters overwhelmed the region's drainage systems and caused numerous landslides, making rescue operations extremely (2)_____.

The Vaishno Devi shrine, a major pilgrimage site, was particularly affected, with many devotees caught in the flood's fury. Unfortunately, despite swift rescue efforts by the administration and the National Disaster Response Force, many lives were __ (3)____, *and several individuals remain missing. The authorities have urged pilgrims and locals alike to remain (4)_____ and follow safety protocols during this critical time.*

In response to the calamity, the government has announced a relief package to aid affected families and rebuild damaged infrastructure. The flood has once again highlighted the urgent need for improving disaster management and better urban planning to minimize the impact of such (5) _ natural events in the future.

Choose correct option for blank (1)

- a) drought 
- b) flooding 
- c) celebration 
- d) ceremony 

Explanation:

Explanation:

The sentence talks about "severe flooding" that caused devastation and displacement. Among the options, only flooding fits logically as it matches the event described.

- Drought is the opposite of flooding.
- Celebration and ceremony do not fit the context of a disaster.

Q. 97





Read the cloze test passage carefully and fill up the blanks.

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In response to the calamity, the government has announced a relief package to aid affected families and rebuild damaged infrastructure. The flood has once again highlighted the urgent need for improving disaster management and better urban planning to minimize the impact of such (5) _ natural events in the future.

Choose correct option for blank (2)

- a) easy 
- b) difficult 
- c) joyful 
- d) quick 

Explanation:

Explanation:

The destruction caused by floods and landslides makes rescue operations difficult.

- *Easy* and *quick* contradict the challenging nature of rescue.
- *Joyful* is unrelated to rescue difficulties.

Q. 98





Read the cloze test passage carefully and fill up the blanks.

Recently, severe flooding in the Jammu and Kashmir region, particularly near the Vaishno Devi shrine, has caused widespread devastation. Heavy rains led to the sudden rise of river waters, resulting in widespread (1) _ and displacement of thousands of residents. The floodwaters overwhelmed the region's drainage systems and caused numerous landslides, making rescue operations extremely (2)_____.

The Vaishno Devi shrine, a major pilgrimage site, was particularly affected, with many devotees caught in the flood's fury. Unfortunately, despite swift rescue efforts by the administration and the National Disaster Response Force, many lives were __ (3)____, *and several individuals remain missing. The authorities have urged pilgrims and locals alike to remain (4)_____ and follow safety protocols during this critical time.*

In response to the calamity, the government has announced a relief package to aid affected families and rebuild damaged infrastructure. The flood has once again highlighted the urgent need for improving disaster management and better urban planning to minimize the impact of such (5) _ natural events in the future.

Choose correct option for blank (3)

- a) saved 
- b) praised 
- c) rewarded 
- d) lost 

Explanation:

Explanation:

The sentence clearly states a tragic loss of life, so lost is the correct word.

- *Saved, rewarded, and praised* are positive outcomes and do not fit the tragic context.

Q. 99

Read the cloze test passage carefully and fill up the blanks.

Recently, severe flooding in the Jammu and Kashmir region, particularly near the Vaishno Devi shrine, has caused widespread devastation. Heavy rains led to the sudden rise of river waters, resulting in widespread (1) _ and displacement of thousands of residents. The floodwaters overwhelmed the region's drainage systems and caused numerous landslides, making rescue operations extremely (2)_____.

The Vaishno Devi shrine, a major pilgrimage site, was particularly affected, with many devotees caught in the flood's fury. Unfortunately, despite swift rescue efforts by the administration and the National Disaster Response Force, many lives were __ (3)____, *and several individuals remain missing. The authorities have urged pilgrims and locals alike to remain (4)_____ and follow safety protocols during this critical time.*

In response to the calamity, the government has announced a relief package to aid affected families and rebuild damaged infrastructure. The flood has once again highlighted the urgent need for improving disaster management and better urban planning to minimize the impact of such (5) _ natural events in the future.

Choose correct option for blank (4)

a) careless 

b) indifferent 

c) cautious 

d) negligent 

Explanation:

Explanation:

Authorities urge people to be cautious to stay safe during the floods.

- *Careless, indifferent, and negligent* imply ignoring safety, which conflicts with the message.

Q. 100





Read the cloze test passage carefully and fill up the blanks.

Recently, severe flooding in the Jammu and Kashmir region, particularly near the Vaishno Devi shrine, has caused widespread devastation. Heavy rains led to the sudden rise of river waters, resulting in widespread (1) _ and displacement of thousands of residents. The floodwaters overwhelmed the region's drainage systems and caused numerous landslides, making rescue operations extremely (2)_____.

The Vaishno Devi shrine, a major pilgrimage site, was particularly affected, with many devotees caught in the flood's fury. Unfortunately, despite swift rescue efforts by the administration and the National Disaster Response Force, many lives were __ (3)____, *and several individuals remain missing. The authorities have urged pilgrims and locals alike to remain (4)_____ and follow safety protocols during this critical time.*

In response to the calamity, the government has announced a relief package to aid affected families and rebuild damaged infrastructure. The flood has once again highlighted the urgent need for improving disaster management and better urban planning to minimize the impact of such (5) _ natural events in the future.

Choose correct option for blank (5)

- a) frequent 
- b) unusual 
- c) harmless 
- d) delightful 

Explanation:

Explanation:

The passage calls for better disaster management due to the impact of frequent natural events like floods.

- *Unusual* or *harmless* floods contradict the need for preparedness.
- *Delightful* is inappropriate for a disaster context.