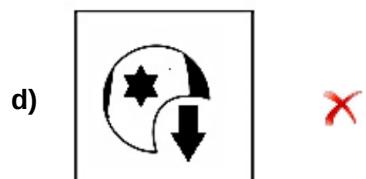
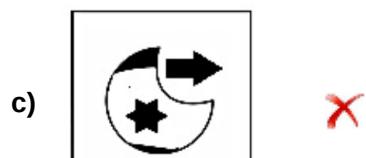
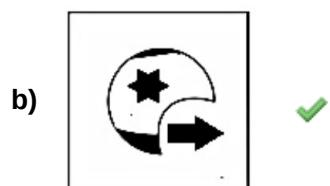
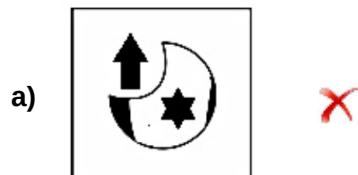
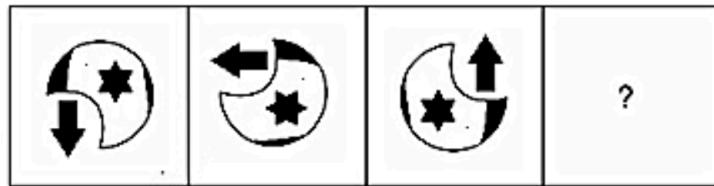


# RBE SSC CHSL Tier-1 Live Mock November 11, 2025

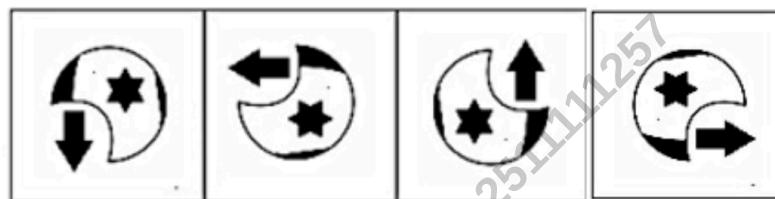
Q. 1	<p>Select the number from among the given options that can replace the question mark (?) in the following series.</p> <p>2, 13, 79, 394, 1577, ?</p> <p>a) 4730 ✓</p> <p>b) 4789 ✗</p> <p>c) 4800 ✗</p> <p>d) 2500 ✗</p>
<b>Explanation:</b>	<p>Pattern: <math>\times 7 - 1</math>, <math>\times 6 + 1</math>, <math>\times 5 - 1</math>, <math>\times 4 + 1</math>, <math>\times 3 - 1</math> Hence, next term = <math>1577 \times 3 - 1 = 4730</math></p>

Q. 2

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



Explanation:



**Q. 3**

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

Note: The odd one out is not based on the number of consonants/vowels or their position in the letter cluster.

- a) NQST ✓
- b) WYBG ✗
- c) LNQV ✗
- d) OQTY ✗

**Explanation:**

NQST follows a **decreasing pattern** (+3, +2, +1), while the others (WYBG, LNQV, OQTY) follow **increasing patterns** (+2, +3, +5) — hence NQST is the odd one out.

**Q. 4**

In a certain code language, 'C' is coded as '9', 'B' is coded as '4' and 'S' is coded as '361'. How will 'H' be coded in the same language?

- a) 81 ✗
- b) 49 ✗
- c) 64 ✓
- d) 100 ✗

**Explanation:**

$$\begin{aligned} C &= 3 \rightarrow 3^2 = 9 \\ B &= 2 \rightarrow 2^2 = 4 \\ S &= 19 \rightarrow 19^2 = 361 \end{aligned}$$

So, the code is **(Alphabet position)<sup>2</sup>**.

$$H = 8 \rightarrow 8^2 = 64$$

Q. 5

In a certain code language,

'P + Q' means 'P is the mother of Q';  
'P - Q' means 'P is the brother of Q';  
'P × Q' means 'P is the wife of Q'; and  
'P ÷ Q' means 'P is the father of Q'.

Based on the above, how is W related to Y if 'U + V × W - X ÷ Y'?

- a) Father's father X
- b) Father's sister X
- c) Brother X
- d) Father's brother ✓

Explanation:

$$\begin{array}{c} U_f \\ | \\ V_f = W_m - X_m \\ | \\ Y \end{array}$$

W is the father's brother of Y.

Q. 6

Each of the letters in the word 'PLANET' is arranged in the English alphabetical order. How many letters are there in the English alphabetical series between the letter which is second from the left end and the one which is third from the right end in the new letter-cluster thus formed?

- a) Six
- b) Eight
- c) Five
- d) Seven

**Explanation:**

Given word: PLANET

Arrange the letters in alphabetical order → A, E, L, N, P, T

Identify required positions:

- Second from left = E
- Third from right = N

English alphabet positions:

E (5), N(14)

→ Letters between E and N = F, G, H, I, J, K, L, M → 8 letters

Q. 7

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

129, 120, 109, 100, 89, ?

- a) 78
- b) 80
- c) 87
- d) 73

**Explanation:**

Pattern of differences → -9, -11, -9, -11, -9

Hence, the missing number is 80.

Q. 8

Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(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/deleting/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.)

(18, 9, 162)  
(7, 17, 119)

- a) (18, 7, 136) X
- b) (18, 6, 118) X
- c) (9, 16, 134) X
- d) (10, 12, 120) ✓

(d) (10, 12, 120)

**Explanation:**

The rule followed is **first × second = third**.

$$\begin{aligned}\rightarrow 18 \times 9 &= 162 \\ \rightarrow 7 \times 17 &= 119 \\ \rightarrow 10 \times 12 &= 120 \checkmark\end{aligned}$$

Q. 9

In a certain code language, 'ETSTQD' is written as 'HWVWTG' and 'ISLAND' is written as 'LVODQG'. How will 'IDQRDX' be written in that language?

- a) LGTUGA ✓
- b) LTGUGA X
- c) GLTGUA X
- d) AGTUGL X

Given examples show each letter is shifted **+3 forward** in the alphabet.

- ETSTQD → HWVWTG (+3 shift each letter)
- ISLAND → LVODQG (+3 shift each letter)

**Explanation:**

Applying the same +3 rule to IDQRDX:

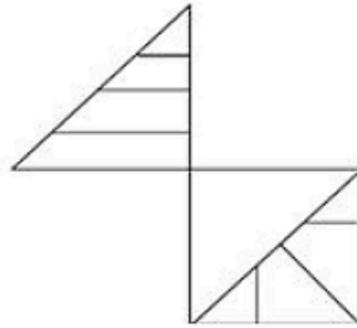
I → L, D → G, Q → T, R → U, D → G, X → A

Coded word = LGTUGA

Q. 10	<p>Which of the four options will replace the question mark (?) in the following series? SW32, RU38, QS44, PQ50, ?</p> <p>a) 0055 <input checked="" type="checkbox"/> X</p> <p>b) N053 <input checked="" type="checkbox"/> X</p> <p>c) N058 <input checked="" type="checkbox"/> X</p> <p>d) 0056 <input checked="" type="checkbox"/> ✓</p>
<b>Explanation:</b>	<p>Numbers increase by +6 → 32, 38, 44, 50, 56 First letters decrease by -1 → S, R, Q, P, O Second letters decrease by -2 → W, U, S, Q, O Hence, 0056</p>

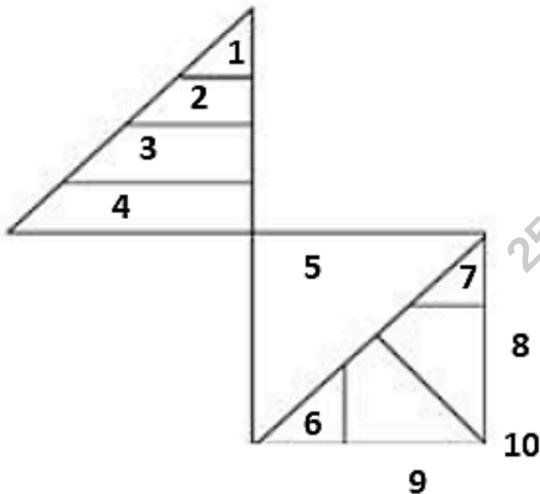
Q. 11

How many triangles are there in the figure given below?



- a) 12
- b) 8
- c) 14
- d) 10

Explanation:



Q. 12

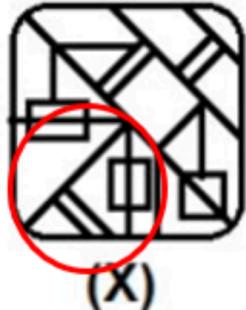
Select the option that is embedded in the given figure (X) (rotation is NOT allowed).



(X)

- a)  ✗
- b)  ✗
- c)  ✗
- d)  ✓

Explanation:

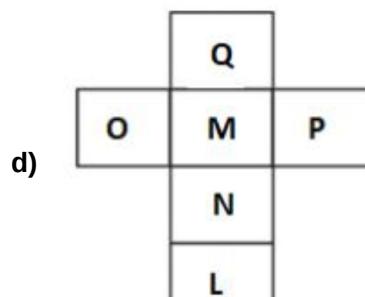
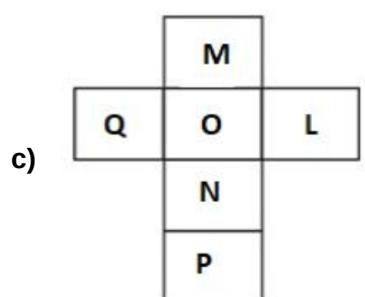
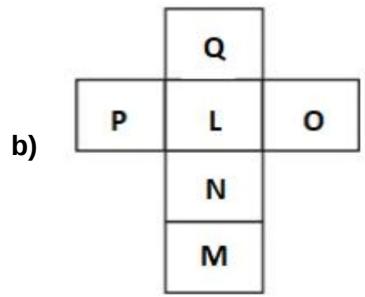
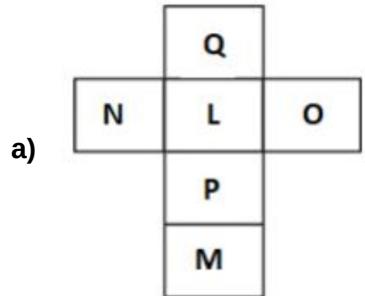
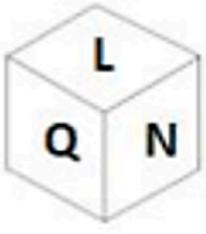


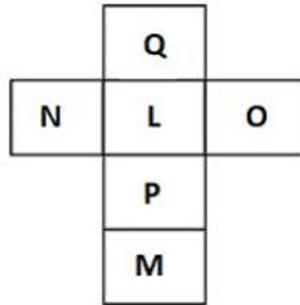
(X)

Q. 13	<p>In a certain code language, 'happy morning sunshine' is coded as 'lx pk rt' and 'bright happy day' is coded as 'mn pk su'. How is 'happy' coded in that language?</p> <p>a) mn <span style="color: red;">X</span></p> <p>b) rt <span style="color: red;">X</span></p> <p>c) pk <span style="color: green;">✓</span></p> <p>d) su <span style="color: red;">X</span></p>
<b>Explanation:</b>	<p>Given codes:</p> <ol style="list-style-type: none"><li>1. <i>happy morning sunshine</i> → lx pk rt</li><li>2. <i>bright happy day</i> → mn pk su</li></ol> <p>The common word in both sentences is "happy".</p> <p>The common code in both coded forms is "pk".</p>

Q. 14

Two orientations of a dice are shown. This dice can be obtained by folding which of the option figures along the lines?



**Explanation:**

Here, **L** is the common face in both dice orientations.

Now, observe **clockwise** from **L** in both figures:

- In the first dice: around **L** → **O** and **P**.
- In the second dice: around **L** → **N** and **Q**.

Hence, the faces **P**, **O**, **Q**, and **N** are adjacent to **L**.

Therefore, the opposite faces are those that **do not appear together** with **L** in either orientation.

**Q. 15**

'Honest' is related to 'Dishonest' in the same way as 'Pure' is related to '\_\_\_\_'.  
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

- a) Clear X
- b) Genuine X
- c) Impure ✓
- d) Transparent X

**Explanation:**

- The relationship between 'Honest' and 'Dishonest' is that 'Dishonest' is the **opposite (antonym)** of 'Honest'.
- Similarly, the word related to 'Pure' should be its **opposite**.
- The opposite of 'Pure' is 'Impure'.

Q. 16

What will come in place of '?' in the following equation, if '÷' and '-' are interchanged and '×' and '+' are interchanged?

$$8 + 3 \div 12 - 4 \times 4 = ?$$

a) 24



b) 13



c) 17



d) 25

**Explanation:**

After interchanging '÷' ↔ '-' and '×' ↔ '+',  
the equation becomes  $8 \times 3 - 12 \div 4 + 4$ ,  
and solving gives 25.

Q. 17

Read the given statements and conclusions carefully. You have to take the given statements to be true even if they seem to be at variance from commonly known facts. You have to decide which conclusion(s) logically follow(s) from the given statements.

**Statements:**

- All Dogs are Animals.
- Some Animals are Wild.
- All Wild are Dangerous.

**Conclusions:**

- (I) Some Animals are Dogs.
- (II) Some Dangerous are Animals.

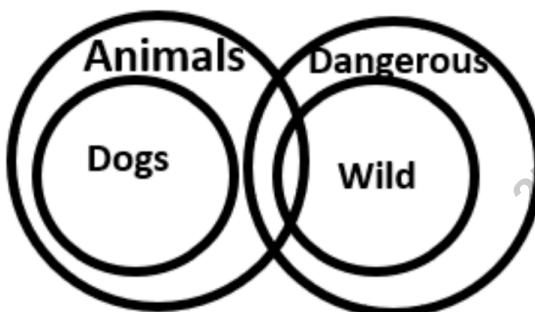
a) Only conclusion (II) follows X

b) Both the conclusions (I) and (II) follow ✓

c) Only conclusion (I) follows X

d) Neither conclusions (I) nor (II) follow X

**Explanation:**



**Conclusions:**

- (I) Some Animals are Dogs → **True**, because if all Dogs are Animals, then definitely some Animals are Dogs.
- (II) Some Dangerous are Animals → **True**, because Wild are a part of Animals, and all Wild are Dangerous — so some Dangerous will also be Animals.

**Q. 18**

Select the option that represents the letters that when sequentially placed from left to right in the blanks below will complete the letter series.

Y \_ Y \_ \_ Y \_ T \_ Y \_ Y

- a) YTYTYT X
- b) TTYYTT X
- c) TYTYYT ✓
- d) TYTYTY X

**Explanation:**

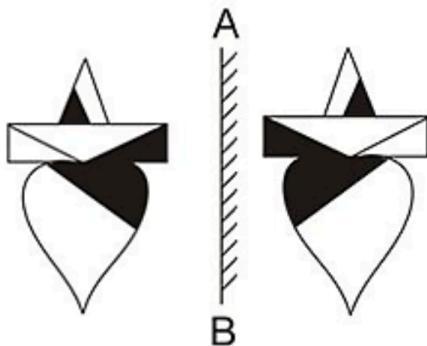
YTY/YTY/YTY/YTY

Q. 19

Select the correct mirror image of the given figure when the mirror is placed at 'AB' as shown.



Explanation:



Q. 20

Which of the following terms will replace the question mark (?) in the given series?

NOPQ, MNOP, ?, KLMN, JKLM

a) LMNO



b) LMON



c) OLMN



d) LOMN



Explanation:

Each term shifts one step **backward alphabetically**:

NOPQ → MNOP → LMNO → KLMN → JKLM.

**Q. 21**

Select the triad in which the numbers are related in the same way as are the numbers of the given triads.

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

(3, 5, 23)

(9, 1, 19)

a) (5, 3, 20)

b) (4, 2, 12)

c) (6, 2, 20)

d) (7, 3, 25)

**Explanation:**

The pattern is:

Third number = (First  $\times$  Second) + (First + Second)

For (3, 5, 23):

$$(3 \times 5) + (3 + 5) = 15 + 8 = 23 \quad \checkmark$$

For (9, 1, 19):

$$(9 \times 1) + (9 + 1) = 9 + 10 = 19 \quad \checkmark$$

Check (6, 2, 20)

$$(6 \times 2) + (6 + 2) = 12 + 8 = 20 \quad \checkmark$$

**Q. 22**

Select the option that represents the correct order of the given words as they would appear in an English dictionary.

1. Beautiful

2. Begin

3. Beast

4. Believe

5. Behaviour

6. Beak

a) 6, 3, 1, 2, 5, 4



b) 6, 3, 1, 5, 2, 4



c) 3, 6, 1, 2, 5, 4



d) 6, 1, 3, 2, 4, 5

**Explanation:**

6 (Beak), 3 (Beast), 1 (Beautiful), 2 (Begin), 5 (Behaviour), 4 (Believe)

**Q. 23**

The position of how many letters will remain unchanged if each of the letters in the word 'DOWNLOAD' is re-arranged in the English alphabetical order from left to right?

a) Four



b) Three



c) Two



d) One

**Explanation:**

Arrange the letters alphabetically

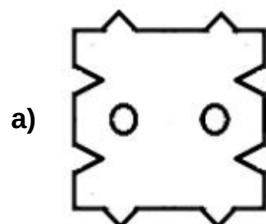
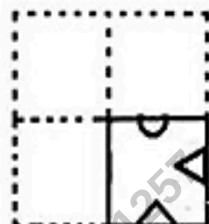
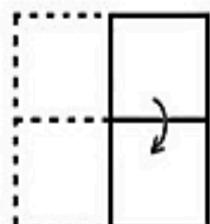
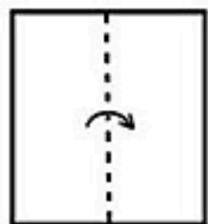
Original word → D O W N L O A D

Alphabetical order → A D D L N O O W

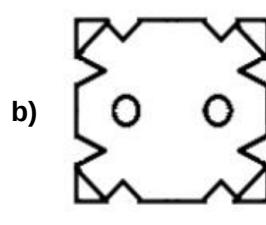
only the **6th letter 'O'** stays in the same position as in the original word.

Q. 24

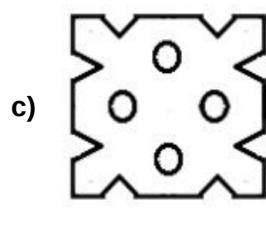
The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?



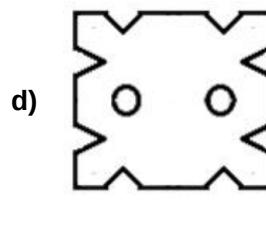
✗



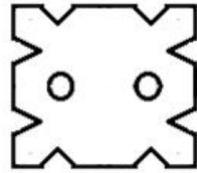
✗



✗



✓

**Explanation:**

**Q. 25**

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

28, 32, 41, 57, ?

- a) 82 ✓
- b) 88 ✗
- c) 87 ✗
- d) 81 ✗

**Explanation:**

Differences are 4, 9, 16 → squares of 2, 3, 4.

Next difference =  $5^2 = 25 \rightarrow 57 + 25 = 82$ .

**Q. 26**

ISRO's LVM3-M5 mission, scheduled for November 2025, is set to launch India's heaviest-ever communication satellite from Indian soil. What is the name of this satellite?

- a) CMS-03 ✓
- b) TV-D2 ✗
- c) Aditya-L2 ✗
- d) NISAR ✗

**Correct Answer: CMS-03**

**Explanation:**

The LVM3-M5 mission by ISRO, scheduled for November 2, 2025, will launch CMS-03, which is set to become India's heaviest-ever communication satellite launched from Indian soil.

**Key Facts about CMS-03:**

- **Weight:** Approximately 4,400 kg
- **Type:** Multi-band military communication satellite, also referred to as GSAT-7R
- **Purpose:** Enhance naval and maritime communication across the Indian Ocean region
- **Launch Vehicle:** LVM3 (Launch Vehicle Mark-3), India's most powerful rocket
- **Launch Site:** Satish Dhawan Space Centre, Sriharikota.

**Explanation:**

This mission marks a significant milestone in India's space and defense communication capabilities.

Q. 27	<p>Identify the correct statement about alloys and their composition.</p> <p>a) Brass is an alloy of copper and tin, used for making statues and medals. <span style="color: red;">X</span></p> <p>b) Bronze is an alloy of copper and zinc, known for its use in musical instruments. <span style="color: red;">X</span></p> <p>c) Solder, used for joining electrical components, is an alloy of lead and aluminum. <span style="color: red;">X</span></p> <p>d) Stainless steel is an alloy of iron, nickel, and chromium, where chromium provides resistance to rust. <span style="color: green;">✓</span></p>
Explanation:	<p><span style="color: green;">✓</span> Correct Answer: Stainless steel is an alloy of iron, nickel, and chromium, where chromium provides resistance to rust.</p> <p><b>Option 1: Incorrect</b> <span style="color: red;">X</span></p> <ul style="list-style-type: none"><li>Brass is actually an alloy of <b>copper and zinc</b>, not tin.</li><li>The alloy of <b>copper and tin</b> is called <b>bronze</b>, which is used for statues and medals.</li></ul> <p><b>Option 2: Incorrect</b> <span style="color: red;">X</span></p> <ul style="list-style-type: none"><li>Bronze is made from <b>copper and tin</b>, not zinc.</li><li><b>Brass</b> (copper + zinc) is more commonly used in musical instruments like trumpets and saxophones.</li></ul> <p><b>Option 3: Incorrect</b> <span style="color: red;">X</span></p> <ul style="list-style-type: none"><li>Solder is typically an alloy of <b>lead and tin</b>, not aluminium.</li><li>Lead-tin solder is widely used in electronics for its low melting point and good conductivity.</li></ul> <p><b>Option 4: Correct</b> <span style="color: green;">✓</span></p> <ul style="list-style-type: none"><li>Stainless steel contains:<ul style="list-style-type: none"><li><b>Iron</b> (base metal)</li><li><b>Chromium</b> (at least 10.5%) – forms a passive layer that resists corrosion</li><li><b>Nickel</b> – enhances strength and ductility</li></ul></li><li>Chromium is the key element that gives stainless steel its <b>rust-resistant</b> property.</li></ul>

Q. 28

Manjusha folk paintings are primarily associated with which Indian state?

a) Bihar ✓

b) Tripura ✗

c) Haryana ✗

d) Goa ✗

✓ Correct Answer: Bihar

Explanation:

Manjusha folk paintings are a traditional art form from the state of **Bihar**, particularly associated with the **Bhagalpur region**. These paintings are deeply rooted in **local folklore**, especially the legend of **Bihula-Bishari**, and were historically drawn on **boxes (manjusha)** used during religious rituals.

Explanation:

Key Features:

- **Narrative style:** Depicts stories of **Bihula's devotion** and **snake goddess Bishari**
- **Color palette:** Dominated by **green, pink, and yellow**, with **line-based motifs**
- **Symbolism:** Includes **snakes, sun, moon, and floral patterns**
- Traditionally drawn by **Malakar and Kumbhakar communities**.

Q. 29	<p>The 'Safety Valve Theory', suggesting the British encouraged the formation of the Indian National Congress to prevent a larger uprising, was notably advocated by?</p> <p>a) Dufferin <input checked="" type="checkbox"/> X</p> <p>b) A. O. Hume <input checked="" type="checkbox"/> ✓</p> <p>c) R. C. Dutt <input checked="" type="checkbox"/> X</p> <p>d) Dadabhai Naoroji <input checked="" type="checkbox"/> X</p>
Explanation:	<p><b>Correct Answer: A. O. Hume ✓</b></p> <p>The <i>Safety Valve Theory</i> was notably associated with <b>A. O. Hume</b>, the British civil servant who played a key role in founding the Indian National Congress (INC) in 1885.</p> <p><b>Explanation:</b></p> <ul style="list-style-type: none"><li>• <b>Safety Valve Theory</b> posits that the British, fearing another revolt like the 1857 Mutiny, supported the creation of the INC to allow educated Indians to express their grievances peacefully.</li><li>• <b>A. O. Hume</b> is considered the key figure behind this theory, as he helped establish the INC and was seen as a mediator between the British government and Indian intelligentsia.</li><li>• <b>Lord Dufferin</b>, the then Viceroy, tacitly approved the idea but was not its main advocate.</li><li>• <b>R. C. Dutt</b> and <b>Dadabhai Naoroji</b> were prominent Congress leaders but did not formulate or promote the Safety Valve Theory.</li></ul>

Q. 30	<p>In the context of the Indian monsoon, the 'Burst of Monsoon' refers to?</p> <p>a) The pre-monsoon showers in Kerala. <span style="color: red;">X</span></p> <p>b) The sudden, violent onset of rain at the beginning of the season. <span style="color: green;">✓</span></p> <p>c) The break in rainfall during the monsoon season. <span style="color: red;">X</span></p> <p>d) The retreat of the monsoon from the northern plains. <span style="color: red;">X</span></p>
Explanation:	<p><b>Correct Answer:</b> The sudden, violent onset of rain at the beginning of the season <span style="color: green;">✓</span></p> <p><b>Explanation:</b></p> <ul style="list-style-type: none"><li>• The 'Burst of Monsoon' refers to the <b>dramatic and intense arrival of the southwest monsoon</b>, typically around <b>early June</b>, especially over the <b>Kerala coast</b>.</li><li>• It marks the <b>transition from hot and dry conditions to heavy rainfall</b>, often accompanied by thunder and strong winds.</li><li>• It is <b>not</b> the same as:<ul style="list-style-type: none"><li>◦ <b>Pre-monsoon showers:</b> These occur before the actual monsoon onset and are more scattered.</li><li>◦ <b>Break in monsoon:</b> Temporary dry spells during the monsoon season.</li><li>◦ <b>Retreat of monsoon:</b> The gradual withdrawal of monsoon rains from northern India, usually starting in September.</li></ul></li></ul>

Q. 31

The campaign 'Our Constitution, Our Respect' was launched in 2025 to commemorate India's 75th Republic Day. Who inaugurated this pan-India campaign?

a) The President of India ✓

b) The Prime Minister of India ✗

c) The Union Home Minister ✗

d) The Chief Justice of India ✗

✓ Correct Answer: The President of India

**Explanation:**

To mark India's 75th Republic Day, the pan-India campaign "Our Constitution, Our Respect" (*Hamara Samvidhan, Hamara Samman*) was inaugurated on **24 January 2025** by the President of India, Droupadi Murmu, at Dr. B.R. Ambedkar International Centre, New Delhi.

**Explanation:**

**Key Highlights of the Campaign:**

- Organized by the Department of Justice, Ministry of Law and Justice
- Aims to promote constitutional values, citizen awareness, and respect for democratic institutions
- Includes year-long outreach programs, legal literacy drives, and school-level engagements.

Q. 32

Identify the incorrect statement regarding metals and non-metals.

- a) Mercury is the only metal that is liquid at room temperature. X
- b) Graphite, an allotrope of the non-metal carbon, is a good conductor of electricity. X
- c) Iodine is a non-metal that is lustrous (shiny), which is typically a property of metals. X
- d) Metals are hard solids and possess high melting points, with no exceptions. ✓

Explanation:

**Statement:** ✓ This is correct.

Mercury (Hg) is the only naturally occurring metal that remains in liquid form at room temperature ( $\sim 25^{\circ}\text{C}$ ).

**Statement:** ✓ This is correct.

Graphite conducts electricity due to the presence of free electrons in its layered structure, making it an exception among non-metals.

**Statement:** ✓ This is correct.

Iodine is one of the few non-metals that exhibits metallic luster, even though it is brittle and non-conductive.

**Statement:** X This is incorrect.

There are several exceptions:

- **Sodium and potassium** are soft metals that can be cut with a knife.
- **Gallium and Caesium** have very low melting points, close to room temperature.
- **Mercury** is a liquid metal at room temperature. Hence, not all metals are hard or have high melting points.

Q. 33	<p>The physician Charaka, often called the "Father of Indian Medicine," compiled his famous treatise, the 'Charaka Samhita', during the period of...?</p> <p>a) Guptas <input checked="" type="checkbox"/></p> <p>b) Mauryas <input checked="" type="checkbox"/></p> <p>c) Kushans <input checked="" type="checkbox"/></p> <p>d) Harsha <input checked="" type="checkbox"/></p>
Explanation:	<p><b>Correct Answer: Kushans</b> <input checked="" type="checkbox"/></p> <p>Charaka compiled the <i>Charaka Samhita</i>, a foundational text of Ayurveda, during the <b>Kushan period</b>, likely around the <b>1st to 2nd century CE</b></p> <p><b>Explanation:</b></p> <ul style="list-style-type: none"><li>• <b>Charaka Samhita</b> is one of the oldest and most authoritative texts on Ayurveda, focusing on internal medicine (<i>Kaya Chikitsa</i>).</li><li>• It was compiled by <b>Charaka</b>, who was associated with the <b>court of King Kanishka</b>, a prominent ruler of the <b>Kushan dynasty</b>.</li><li>• The Kushan period is generally dated to <b>1st–2nd century CE</b>, aligning with Charaka's lifetime.</li><li>• The <b>Maurya period</b> (4th–2nd century BCE) predates Charaka.</li><li>• The <b>Gupta period</b> (4th–6th century CE) and <b>Harsha's reign</b> (7th century CE) came after Charaka's time.</li></ul>

Q. 34	<p>The major 'Semicon India 2025' conference, aimed at building India's semiconductor ecosystem, was held in which city?</p> <p>a) Bengaluru ✗</p> <p>b) New Delhi ✓</p> <p>c) Gandhinagar ✗</p> <p>d) Hyderabad ✗</p>
Explanation:	<p><b>✓ Correct Answer: New Delhi</b></p> <p><b>Explanation:</b></p> <p>The Semicon India 2025 conference, a flagship event to boost India's semiconductor ecosystem, was held from September 2–4, 2025 at Yashobhoomi (India International Convention and Expo Centre – IICC), Dwarka, New Delhi.</p> <p><b>Key Highlights:</b></p> <ul style="list-style-type: none"> <li>Organized jointly by India Semiconductor Mission (ISM) and SEMI</li> <li>Featured global pavilions, industry leaders, and policy makers</li> <li>Focused on building India's design, fabrication, and packaging capabilities</li> <li>Aimed to position India as a semiconductor manufacturing hub</li> </ul>
Q. 35	<p>The 'Duncan Passage' is a strait in the Indian Ocean that separates.</p> <p>a) South Andaman and Little Andaman ✓</p> <p>b) Little Andaman and Car Nicobar ✗</p> <p>c) India (Tamil Nadu) and Sri Lanka ✗</p> <p>d) Minicoy Island and the main Lakshadweep archipelago. ✗</p>
Explanation:	<p><b>Correct Answer: South Andaman and Little Andaman ✓</b></p> <p><b>Explanation:</b></p> <ul style="list-style-type: none"> <li>Duncan Passage is a 48 km wide strait located in the Bay of Bengal, part of the Indian Ocean.</li> <li>It separates Rutland Island (part of South Andaman) to the north and Little Andaman Island to the south.</li> <li>It lies between The Sisters islands (off South Andaman) and North Brother Island (off Little Andaman).</li> <li>The passage is strategically important and falls within India's exclusive economic zone, monitored by the Andaman and Nicobar Command.</li> </ul>

Q. 36

In September 2025, Qatar became the eighth country to integrate India's Unified Payments Interface (UPI). Which of the following countries was the first to adopt the UPI system?

- a) Singapore
- b) United Arab Emirates
- c) Nepal
- d) Bhutan

Correct Answer: Bhutan

**Explanation:**

Bhutan was the **first foreign country** to adopt India's **Unified Payments Interface (UPI)** system. This milestone was achieved in **July 2021**, through a collaboration between:

- National Payments Corporation of India (NPCI)
- Royal Monetary Authority of Bhutan

The integration allowed **Indian tourists and merchants in Bhutan** to make seamless digital payments using UPI apps like BHIM, PhonePe, and Google Pay, strengthening cross-border fintech cooperation.

Q. 37	<p>The 'Purusha Sukta', which describes the origin of the four Varnas (social classes) from the cosmic man, is found in the...</p> <p>a) Vedas ✓</p> <p>b) Puranas ✗</p> <p>c) Upanishads ✗</p> <p>d) Mahabharata ✗</p>
Explanation:	<p><b>Correct Answer: Vedas ✓</b></p> <p>Specifically, the <i>Purusha Sukta</i> is found in the <b>Rigveda</b>, Mandala 10, Hymn 90.</p> <p>Here's a structured breakdown:</p> <p><b>Explanation:</b></p> <ul style="list-style-type: none"><li>• <b>Vedas:</b> The <i>Rigveda</i> contains the <i>Purusha Sukta</i>, which mythologically explains the origin of the four Varnas from the cosmic being <i>Purusha</i>.</li><li>• <b>Puranas:</b> These are later mythological texts and do not contain the original Sukta.</li><li>• <b>Upanishads:</b> Focused on philosophical and metaphysical ideas, not social origin myths.</li><li>• <b>Mahabharata:</b> An epic narrative, not a Vedic hymn source.</li></ul>

Q. 38

Hurka Baul dance is primarily associated with which Indian state?

- a) Odisha X
- b) Uttarakhand ✓
- c) Telangana X
- d) Punjab X

✓ Correct Answer: Uttarakhand

**Explanation:**

Hurka Baul (also spelled Hurkiya Baul) is a traditional folk dance of Uttarakhand, particularly prevalent in the Kumaon region. It is deeply rooted in the agrarian lifestyle of the region and is performed during the sowing season of paddy and maize.

**Explanation:**

**Key Features:**

- Performed in fields to encourage and celebrate agricultural work.
- The term "Hurka" refers to a traditional drum, and "Baul" refers to the song sung during the performance.
- The dance involves narrative singing, rhythmic drumming, and coordinated movements by farmers.
- It reflects community bonding, valor, and rural storytelling.

Q. 39	<p>The Governor of a state holds office 'during the pleasure of the President'. This implies that...?</p> <p>a) The President can remove the Governor at any time, usually on the advice of the Union Cabinet. <span style="color: green;">✓</span></p> <p>b) The Governor has a fixed tenure of five years and cannot be removed. <span style="color: red;">✗</span></p> <p>c) The Governor must resign if the State Government loses its majority. <span style="color: red;">✗</span></p> <p>d) The Governor can only be removed through an impeachment process in the State Legislature. <span style="color: red;">✗</span></p>
Explanation:	<p><b>Correct Answer:</b> The President can remove the Governor at any time, usually on the advice of the Union Cabinet <span style="color: green;">✓</span></p> <p><b>Explanation:</b></p> <ul style="list-style-type: none"><li>Article 156(1) of the Indian Constitution states that the Governor holds office "during the pleasure of the President".</li><li>This means:<ul style="list-style-type: none"><li>The Governor can be removed at any time by the President.</li><li>In practice, this is done on the advice of the Union Council of Ministers, not arbitrarily.</li></ul></li><li>The five-year term mentioned in Article 156(3) is not guaranteed; it is subject to the President's pleasure.</li><li>There is no impeachment process for Governors, unlike the President.</li><li>The Governor's position is independent of the State Government's majority status.</li></ul>

Q. 40	<p>'Open Market Operations' (OMO) conducted by the Reserve Bank of India (RBI) refer to?</p> <p>a) Regulating interest rates on loans <span style="color: red;">X</span></p> <p>b) The purchase and sale of government securities in the market <span style="color: green;">✓</span></p> <p>c) Controlling the foreign exchange market <span style="color: red;">X</span></p> <p>d) Lending money to commercial banks at the Repo Rate <span style="color: red;">X</span></p>
Explanation:	<p><b>Correct Answer:</b> The purchase and sale of government securities in the market<span style="color: green;">✓</span></p> <p><b>Explanation:</b></p> <ul style="list-style-type: none"> <li>• Open Market Operations (OMO) are a key monetary policy tool used by the RBI to regulate <b>liquidity</b> in the economy.</li> <li>• It involves: <ul style="list-style-type: none"> <li>◦ <b>Buying government securities</b> → injects liquidity into the banking system.</li> <li>◦ <b>Selling government securities</b> → absorbs excess liquidity from the system.</li> </ul> </li> <li>• OMOs influence <b>short-term interest rates, money supply</b>, and help maintain <b>price stability</b>.</li> <li>• It is <b>not</b> the same as: <ul style="list-style-type: none"> <li>◦ <b>Repo Rate lending:</b> That's part of the Liquidity Adjustment Facility (LAF).</li> <li>◦ <b>Foreign exchange control:</b> Managed through forex reserves and interventions.</li> <li>◦ <b>Loan interest regulation:</b> Influenced indirectly via policy rates, not OMO.</li> </ul> </li> </ul>

Q. 41	<p>Which statement accurately describes the electrical wiring in domestic households?</p> <p>a) All appliances are connected in series, so if one appliance fails, all others stop working. <span style="color: red;">X</span></p> <p>b) The fuse wire is an alloy with a very high melting point and is always connected to the neutral wire. <span style="color: red;">X</span></p> <p>c) All appliances are connected in parallel, ensuring that each appliance receives the full mains voltage and can be operated independently. <span style="color: green;">✓</span></p> <p>d) The unit 'Kilowatt-hour' (kWh) is used to measure electrical power, while 'Watt' is used to measure electrical energy. <span style="color: red;">X</span></p>
Explanation:	<p><span style="color: green;">✓</span> Correct Answer: All appliances are connected in parallel, ensuring that each appliance receives the full mains voltage and can be operated independently.</p> <p><b>Explanation:</b></p> <ol style="list-style-type: none"> <li>1. Domestic wiring uses parallel connections: <ul style="list-style-type: none"> <li>◦ Each appliance is connected across the same voltage source.</li> <li>◦ This ensures that <b>each device receives full mains voltage</b> (typically 220–240V in India).</li> <li>◦ Appliances can be <b>operated independently</b> — switching one off doesn't affect others.</li> </ul> </li> <li>2. Why other statements are incorrect: <ul style="list-style-type: none"> <li>◦ Option 1: "All appliances are connected in series..." <span style="color: red;">X</span> Incorrect. <ul style="list-style-type: none"> <li>▪ In a <b>series connection</b>, current flows through all devices sequentially.</li> <li>▪ If one appliance fails, the circuit breaks — <b>not used in homes</b>.</li> </ul> </li> <li>◦ Option 2: "Fuse wire is an alloy with a very high melting point..." <span style="color: red;">X</span> Incorrect. <ul style="list-style-type: none"> <li>▪ Fuse wire is made of alloys like <b>tin-lead or copper</b>, chosen for their <b>low melting point</b>, so they <b>melt quickly</b> during overload.</li> <li>▪ Also, fuses are connected to the <b>live wire</b>, not the neutral.</li> </ul> </li> <li>◦ Option 4: "kWh measures power, Watt measures energy..." <span style="color: red;">X</span> Incorrect. <ul style="list-style-type: none"> <li>▪ <b>Watt (W)</b> is the unit of <b>power</b> (rate of energy use).</li> <li>▪ <b>Kilowatt-hour (kWh)</b> is the unit of <b>energy consumed over time</b>.</li> <li>▪ So, the statement <b>reverses the definitions</b>.</li> </ul> </li> </ul> </li> </ol>

Q. 42	<p>Ovi folk music is primarily associated with which Indian state?</p> <p>a) Odisha <span style="color:red;">X</span></p> <p>b) Gujarat <span style="color:red;">X</span></p> <p>c) Bihar <span style="color:red;">X</span></p> <p>d) Goa <span style="color:green;">✓</span></p>
Explanation:	<p><span style="color:green;">✓</span> Correct Answer: Goa</p> <p><b>Explanation:</b></p> <p>Ovi folk music is traditionally associated with the <b>western coastal regions of India</b>, particularly <b>Goa</b> and parts of <b>Maharashtra</b>. It is a form of <b>women-centric</b> oral tradition, sung during <b>domestic chores, weddings, pregnancy rituals, and festive occasions</b>.</p> <p><b>Key Features of Ovi:</b></p> <ul style="list-style-type: none"><li>• Composed of <b>short couplets</b>, often <b>four-line verses</b></li><li>• Sung by <b>women</b> while performing household tasks like grinding grain or drawing water</li><li>• Themes include <b>marital life, maternal homes, daily struggles, and folk wisdom</b></li><li>• Reflects the <b>emotional and social landscape</b> of rural women.</li></ul>

Q. 43	<p>The 'Nama Bharat' train, frequently in the news during 2025, holds which of the following distinctions?</p> <p>a) India's first fully indigenously built metro train. <span style="color: red;">X</span></p> <p>b) India's first train to run on 100% green hydrogen. <span style="color: red;">X</span></p> <p>c) India's fastest train, operating on the Delhi-Meerut RRTS. <span style="color: green;">✓</span></p> <p>d) First train to run over India's first vertical rail bridge (Pamban Bridge). <span style="color: red;">X</span></p>
Explanation:	<p><span style="color: green;">✓</span> Correct Answer: India's fastest train, operating on the Delhi-Meerut RRTS.</p> <p><b>Explanation:</b> The 'Nama Bharat' train, part of the <b>Delhi-Meerut Regional Rapid Transit System (RRTS)</b>, holds the distinction of being <b>India's fastest train</b> in regular service. It is designed to operate at speeds of up to <b>180 km/h</b>, significantly reducing travel time between Delhi and Meerut to under <b>60 minutes</b>.</p> <p><b>Key Highlights:</b></p> <ul style="list-style-type: none"><li>• Launched under NCRTC's RapidX initiative</li><li>• First-of-its-kind semi-high-speed regional rail service</li><li>• Equipped with modern amenities, automatic doors, air-conditioning, and premium coaches</li><li>• Symbolizes India's push toward high-speed regional connectivity.</li></ul>

Q. 44	<p>During a 'National Emergency' (Article 352), which of the following statements is correct regarding Fundamental Rights?</p> <p>a) Rights under Articles 20 and 21 cannot be suspended. <span style="color: green;">✓</span></p> <p>b) The Right to Freedom of Speech (Article 19) cannot be suspended. <span style="color: red;">✗</span></p> <p>c) All Fundamental Rights are automatically suspended. <span style="color: red;">✗</span></p> <p>d) The Right to Constitutional Remedies (Article 32) is suspended. <span style="color: red;">✗</span></p>
Explanation:	<p><b>Correct Answer:</b> Rights under Articles 20 and 21 cannot be suspended <span style="color: green;">✓</span></p> <p><b>Explanation:</b></p> <ul style="list-style-type: none"><li>• Article 352 allows the President to declare a National Emergency due to war, external aggression, or armed rebellion.</li><li>• During such an emergency:<ul style="list-style-type: none"><li>◦ Article 19 (freedom of speech, etc.) can be suspended.</li><li>◦ Articles 20 and 21 (protection in respect of conviction and life/personal liberty) cannot be suspended, even during emergency — as clarified by Article 359(1) and reinforced by the 44th Amendment Act, 1978.</li><li>◦ Fundamental Rights are not automatically suspended; only those specified by the President under Article 359 can be suspended.</li><li>◦ Article 32 (Right to Constitutional Remedies) may be suspended only for rights specified under Article 359, but not for Articles 20 and 21.</li></ul></li></ul>

Q. 45	<p>Cheibi Gadka martial art belongs to which Indian state?</p> <p>a) Punjab </p> <p>b) Maharashtra </p> <p>c) Manipur </p> <p>d) Tamil Nadu </p>
Explanation:	<p> <b>Correct Answer: Manipur</b></p> <p><b>Explanation:</b></p> <p>Cheibi Gadka is a traditional martial art form from Manipur, a northeastern state of India. It is a <b>weapon-based combat sport</b> that combines physical agility, discipline, and traditional techniques.</p> <p><b>Key Features:</b></p> <ul style="list-style-type: none"><li>• Practiced with a <b>Cheibi</b> (sword-like stick) and a <b>Gadka</b> (shield)</li><li>• Involves <b>sparring</b>, <b>defensive manoeuvres</b>, and <b>ritualistic movements</b></li><li>• Often performed during <b>festivals and cultural events</b> in Manipur</li><li>• Promotes <b>valor, fitness, and cultural heritage</b></li></ul>

Q. 46

The Comptroller and Auditor General (CAG) of India is appointed by the President but can be removed from office?

- a) By the Parliament through a simple majority vote. X
- b) By the Supreme Court on grounds of misbehavior. X
- c) By the President on the advice of the Prime Minister. X
- d) In the same manner and on the same grounds as a Judge of the Supreme Court. ✓

**Correct Answer:** In the same manner and on the same grounds as a Judge of the Supreme Court ✓

**Explanation:**

- The **CAG of India** is appointed by the **President** under **Article 148** of the Constitution.
- Removal is governed by **Article 148(1)** and **Article 124(4)**, which state that the CAG can be removed **in the same manner and on the same grounds as a Supreme Court judge**.
- This means:
  - **Grounds:** Proven misbehavior or incapacity.
  - **Procedure:** Requires a **special majority** in both Houses of Parliament after an inquiry.
- It is **not** a simple majority vote, nor can the **President or Prime Minister** remove the CAG unilaterally.
- The **Supreme Court** does not have the authority to remove the CAG directly.

**Explanation:**

Q. 47	<p>The highest peak of the Peninsular Plateau of India, 'Anai Mudi', is located in the?</p> <p>a) Nilgiri Hills <input checked="" type="checkbox"/> X</p> <p>b) Palani Hills <input checked="" type="checkbox"/> X</p> <p>c) Cardamom Hills <input checked="" type="checkbox"/> X</p> <p>d) Annamalai Hills <input checked="" type="checkbox"/> ✓</p>
Explanation:	<p><b>Correct Answer: Annamalai Hills</b> ✓</p> <p><b>Explanation:</b></p> <ul style="list-style-type: none"><li>• Anai Mudi (Anaimudi) stands at 2,695 meters (8,842 feet) and is the highest peak in the Western Ghats and the entire Peninsular India.</li><li>• It is located in the Eravikulam National Park, within the Idukki and Ernakulam districts of Kerala.</li><li>• Geographically, it belongs to the Annamalai Hills, which are part of the Western Ghats.</li><li>• From Anai Mudi, three major hill ranges radiate:<ul style="list-style-type: none"><li>◦ Annamalai Hills to the north</li><li>◦ Palani Hills to the northeast</li><li>◦ Cardamom Hills to the south</li></ul></li></ul>

Q. 48	<p>Which statement correctly describes the use of mirrors in optics?</p> <p>a) A convex mirror is used by dentists to get an enlarged view of teeth. <span style="color: red;">X</span></p> <p>b) A concave mirror is used as a rear-view mirror in vehicles because it provides a wider field of view. <span style="color: green;">✓</span></p> <p>A concave mirror is used as a shaving mirror and in solar furnaces</p> <p>c) because it can form an enlarged, erect image (when close) and converge light (when far). <span style="color: red;">X</span></p> <p>d) A plane mirror always forms a real, inverted, and same-sized image. <span style="color: red;">X</span></p>
Explanation:	<p><span style="color: green;">✓</span> Correct Answer: A concave mirror is used as a shaving mirror and in solar furnaces because it can form an enlarged, erect image (when close) and converge light (when far).</p> <p><b>Explanation:</b></p> <ol style="list-style-type: none"><li>1. Concave mirrors are <b>converging mirrors</b>. Their reflective surface curves inward like a spoon.</li><li>2. When an object is placed <b>close to a concave mirror</b> (within the focal length), it forms an <b>enlarged, erect, and virtual image</b> — ideal for <b>shaving mirrors</b> and <b>makeup mirrors</b>.</li><li>3. When placed <b>far from the mirror</b>, concave mirrors <b>converge parallel rays</b> to a <b>real focus</b> — making them useful in <b>solar furnaces</b>, <b>headlights</b>, and <b>telescopes</b>.</li></ol>

**Q. 49**

- The Bhakti saint Ramanuja, a key figure in the Bhakti movement, was the chief proponent of the philosophy of?
- a) Shuddhadvaita X
  - b) Vishishtadvaita ✓
  - c) Dvaitadvaita X
  - d) Achintya Bheda Abheda X

**Explanation:**

**Correct Answer:** Vishishtadvaita ✓

 **Explanation**

- Vishishtadvaita (Qualified Non-Dualism) was propounded by Ramanuja, who emphasized devotion (*bhakti*) to Vishnu and the unity of the soul with Brahman, but with distinctions.
  - Brahman is qualified by attributes (jiva and prakriti).
  - The soul is distinct yet inseparable from Brahman—like body and soul.
- Shuddhadvaita: Pure Non-Dualism, advocated by Vallabhacharya.
- Dvaitadvaita: Dualistic Non-Dualism, proposed by Nimbarka.
- Achintya Bheda Abheda: Inconceivable Oneness and Difference, taught by Chaitanya Mahaprabhu.

Q. 50	<p>Kundhei puppetry is associated with which State?</p> <p>a) Jharkhand <input checked="" type="checkbox"/> X</p> <p>b) Rajasthan <input checked="" type="checkbox"/> X</p> <p>c) Odisha <input checked="" type="checkbox"/> ✓</p> <p>d) Karnataka <input checked="" type="checkbox"/> X</p>
Explanation:	<p><input checked="" type="checkbox"/> Correct Answer: Odisha</p> <p><b>Explanation:</b></p> <p>Kundhei puppetry, also known as <b>Sakhi Kandhei</b>, is a traditional <b>string puppet art form</b> native to the state of <b>Odisha</b>. It is especially popular in the <b>Kendrapara district</b>, where local artists continue to perform this folk tradition.</p> <p><b>Key Features of Kundhei Puppetry:</b></p> <ul style="list-style-type: none"><li>Puppets are made of <b>light wood</b>, often <b>without legs</b>, and dressed in <b>flowing skirts</b>.</li><li>Operated using <b>strings</b>, with performances accompanied by <b>folk music and narration</b>.</li><li>Themes often include <b>mythological stories</b>, <b>local legends</b>, and <b>social messages</b>.</li></ul> <p>This art form is part of Odisha's rich cultural heritage and is preserved in institutions like the <b>Raja Dinkar Kelkar Museum</b>.</p>

Q. 51

A can finish a task in 10 days and B in 15 days. They take a contract for Rs. 18,000. Assisted by C, they complete the job in 5 days. What is C's share of the money?

- a) 3000 ✓
- b) 4500 ✗
- c) 2800 ✗
- d) 3400 ✗

**Explanation:**

Let total work = LCM of 10 and 15 = 30 units

A's 1-day work = 3 units

B's 1-day work = 2 units

A + B = 5 units/day

With C, total work = 30 units completed in 5 days  $\Rightarrow$

A + B + C =  $30 \div 5 = 6$  units/day

C's 1-day work =  $6 - 5 = 1$  unit/day

Ratio A : B : C = 3 : 2 : 1

C's share =  $(1/6) \times 18,000 = ₹3,000$

Q. 52

A salesman gets 10% commission on the total sales and an extra bonus of 2.5% on the sale above ₹10,000. If he earns ₹5,375, find the total sales.

- a) 28750 ✗
- b) 43000 ✗
- c) 45000 ✓
- d) 54000 ✗

**Explanation:**

Let T.S. = x

$$5375 = 10\% \text{ of } 10000 + 12.5\% \text{ of } (x - 10000)$$

$$5375 = -2.5\% \text{ of } 10000 + 12.5\% \text{ of } x$$

$$5625 = 12.5\% \text{ of } x$$

$$( \times 8 ) \quad ( \times 8 )$$

$$45000 = 100\% \text{ of } x$$

$$\therefore \text{Total Sales} = ₹45,000$$

Q. 53

A sum of ₹15,525 is divided among Sunil, Anil, and Jameel such that if ₹22, ₹35, and ₹48 be diminished from their shares respectively, their remaining sums shall be in the ratio 7 : 10 : 13. What would have been the ratio of their sums if ₹16, ₹77, and ₹37 respectively were added to their original shares?

- a) 18 : 26 : 33 X
- b) 18 : 52 : 33 X
- c) 36 : 26 : 33 X
- d) 36 : 52 : 67 ✓

$$\text{Total amount} = 15,525$$

$$\text{Amounts diminished} = (22 + 35 + 48) = 105$$

$$\text{Remaining} = 15,525 - 105 = 15,420$$

Let their remaining shares be 7x, 10x, and 13x.

$$7x + 10x + 13x = 15,420$$

$$30x = 15,420$$

$$x = 514$$

$$\text{Now their original shares} = (7x + 22), (10x + 35), (13x + 48)$$

$$= (3598 + 22), (5140 + 35), (6682 + 48)$$

$$= 3620, 5175, 6730$$

If ₹16, ₹77, and ₹37 are added respectively:

$$\text{New shares} = (7x + 22 + 16), (10x + 35 + 77), (13x + 48 + 37)$$

$$= (7 \times 514 + 38), (10 \times 514 + 112), (13 \times 514 + 85)$$

$$= 3,636, 5,252, \text{ and } 6,767$$

Therefore, the required ratio = 3,636 : 5,252 : 6,767 = 36 : 52 : 67

 "ABAB" is always divisible by 101.

 "ABCABC" is always divisible by 1001.

**Explanation:**

**Q. 54**

A vessel contains 125 litres of milk. 25 litres of milk is taken out and replaced by water. This operation is repeated two more times. Find the ratio of milk and water in the resulting mixture.

- a) 61 : 64 X
- b) 64 : 61 ✓
- c) 63 : 61 X
- d) 54 : 61 X

**Given:**

Total milk = 125 litres

Milk taken out each time = 25 litres

$$\text{Fraction of milk left after each operation} = 1 - \frac{25}{125} = \frac{4}{5}$$

Operation repeated 3 times  $\Rightarrow$ 

$$\text{Fraction of milk left after 3 operations} = \left(\frac{4}{5}\right)^3 = \frac{64}{125}$$

$$\text{Milk left} = 125 \times \frac{64}{125} = 64 \text{ litres}$$

$$\text{Water} = 125 - 64 = 61 \text{ litres}$$

$$\text{Ratio of milk : water} = 64 : 61$$

**Explanation:**

Q. 55

A and B together can do certain work in  $x$  days. Working alone, A and B can do the same work in  $(x + 7)$  and  $(x + 28)$  days, respectively. A and B together will complete  $5/7$  of the same work in how many days?

- a) 11 days X
- b) 20 days X
- c) 10 days ✓
- d) 12 days X

$$\begin{aligned}A + B &\rightarrow x \\A &\rightarrow x + 7 \\B &\rightarrow x + 28\end{aligned}$$

**Explanation:**

$$x = \sqrt{28 \times 7} = 14$$

$$1 \rightarrow 14 \text{ days}$$

$$5/7 \rightarrow 14 \times \frac{5}{7} = 10 \text{ days}$$

Q. 56

Nitin covers one-third of a journey at a speed of 20 km/hr and the remaining distance at a speed of 30 km/hr. If he takes a total of 14 hours to complete the journey, what was the total distance (in km) travelled by him?

- a) 372 km X
- b) 287 km X
- c) 360 km ✓
- d) 452 km X

$$\text{Let total distance} = x \text{ km}$$

$$\text{Time for first one-third distance} = (x/3) / 20 = x/60$$

$$\text{Time for remaining two-third distance} = (2x/3) / 30 = 2x/90 = x/45$$

$$\text{Total time} = 14 \text{ hours}$$

**Explanation:**

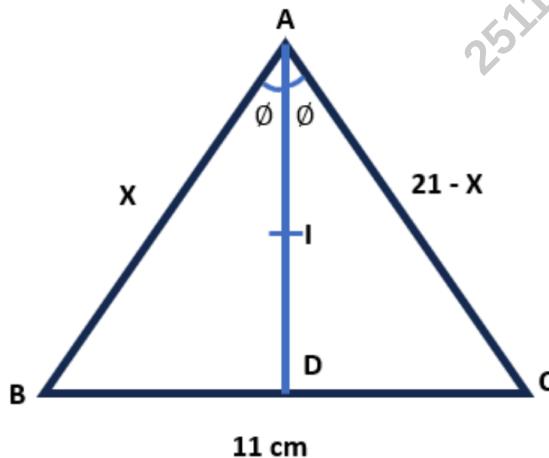
$$\begin{aligned}x/60 + x/45 &= 14 \\ \text{LCM of 60 and 45} &= 180 \\ \Rightarrow (3x + 4x)/180 &= 14 \\ \Rightarrow 7x/180 &= 14 \\ \Rightarrow x &= (14 \times 180) / 7 \\ \Rightarrow x &= 360 \text{ km}\end{aligned}$$

Q. 57

The perimeter of triangle ABC is 32 cm and its side BC = 11 cm. AD is the bisector of  $\angle BAC$ , while I is the incentre. Find the ratio AI : ID.

- a) 11/21 X
- b) 21/11 ✓
- c) 13/17 X
- d) 21/13 X

Explanation:



$$\frac{AI}{ID} = \frac{(AB + AC)}{BC} = \frac{(x + 21 - x)}{11} = \frac{21}{11}$$

Q. 58

Which of the following numbers is not divisible by 8?

- a) 89008 X
- b) 98984 X
- c) 89998 ✓
- d) 78992 X

**Rule:**

A number is divisible by 8 if its **last three digits** are divisible by 8.

Now check the last three digits:

Explanation:

- $008 \div 8 = 1$  ✓
- $984 \div 8 = 123$  ✓
- $998 \div 8 = 124.75$  X (Not divisible)
- $992 \div 8 = 124$  ✓

Q. 59

If  $x^2 - 6x + 1 = 0$ , and  $0 < x < 1$ , what is the value of  $x^2 - \frac{1}{x^2}$ ?

- a)  $24\sqrt{2}$  X
- b)  $14\sqrt{2}$  X
- c)  $12\sqrt{3}$  X
- d)  $-24\sqrt{2}$  ✓

**Given:**

$$x^2 - 6x + 1 = 0$$

**Divide by**

$$x - 6 + \frac{1}{x} = 0 \Rightarrow x + \frac{1}{x} = 6$$

**Find**  $x - \frac{1}{x}$ **Explanation:**

$$(x - \frac{1}{x})^2 = (x + \frac{1}{x})^2 - 4$$

$$(x - \frac{1}{x})^2 = 6^2 - 4 = 32$$

$$x - \frac{1}{x} = -\sqrt{32} = -4\sqrt{2} (\text{because } 0 < x < 1)$$

**Find**  $x^2 - \frac{1}{x^2}$ 

$$x^2 - \frac{1}{x^2} = (x - \frac{1}{x})(x + \frac{1}{x})$$

$$= (-4\sqrt{2})(6) = -24\sqrt{2}$$

Q. 60

The rate of simple interest on a sum of money is 5% p.a. for the first 4 years, 8% p.a. for the next 3 years and 10% p.a. for the period beyond 7 years. If the simple interest accrued by the sum over a period of 10 years is ₹4,440, then what is the sum?

- a) 5738 X
- b) 6342 X
- c) 6000 ✓
- d) 4000 X

Total Simple Interest (S.I.)

$$\text{S.I.} = \frac{P \times 5 \times 4}{100} + \frac{P \times 8 \times 3}{100} + \frac{P \times 10 \times 3}{100}$$

Substitute given value

$$\text{S.I.} = \frac{P}{100} (20 + 24 + 30) = \frac{74P}{100}$$

Explanation:

$$\frac{74P}{100} = 4440$$
$$P = \frac{4440 \times 100}{74} = 6000$$

Q. 61

Umesh, Manjeet and Ramesh started a business with investments in the ratio 2 : 3 : 4. The ratio of their period of investments is 5 : 6 : 9. 20% of the profit was spent on rent and maintenance of the office. The remaining profit was distributed among them in proportion to the product of their investment and time. If the difference between the share of profit of Umesh and Manjeet is ₹6,984, find the total profit.

- a) 69840 ✓
- b) 57893 ✗
- c) 72345 ✗
- d) 56789 ✗

$$\text{Investment ratio} = 2 : 3 : 4$$

$$\text{Time ratio} = 5 : 6 : 9$$

$$\begin{aligned}\text{Their profit sharing ratio} &= (2 \times 5) : (3 \times 6) : (4 \times 9) \\ &= 10 : 18 : 36 \\ &= 5 : 9 : 18\end{aligned}$$

$$\text{Let total profit} = x$$

$$20\% \text{ spent on rent and maintenance} \rightarrow \text{remaining} = 80\% \text{ of } x = (4x/5)$$

$$\text{Difference between Umesh and Manjeet} =$$

$$\frac{4x}{5} \times \frac{(9 - 5)}{(5 + 9 + 18)} = \frac{4x}{5} \times \frac{4}{32} = \frac{x}{10}$$

$$\text{Given difference} = ₹6,984$$

$$\frac{x}{10} = 6984 \Rightarrow x = 6984 \times 10 = 69840$$

**Explanation:**

Q. 62

A shopkeeper gives 3 consecutive discounts of 10%, 12%, and 13%, after which he sells his goods at a profit of 20%. Find the profit percentage that the shopkeeper would have earned if he had given discounts of 10% and 13% only.

- a) 36.61% X
- b) 36.36% ✓
- c) 36.42% X
- d) 36.34% X

**Explanation:**

let, cp = 100

sp = 120

when discount of only 10% & 13% is given,

$$\Rightarrow 120 \times (100 / (100 - 12))$$

$$\Rightarrow 120 \times 100 / 88$$

$$\Rightarrow 136.36$$

$$\Rightarrow 36.36\% \text{ (Ans)}$$

Q. 63

The selling price of 46 kg rice is ₹1380. If the profit is equal to the selling price of 20 kg rice, find the cost price of 23 kg rice.

- a) 390 ✓
- b) 287 ✗
- c) 529 ✗
- d) 492 ✗

$$\text{Profit} = \text{S.P} - \text{C.P}$$

Given: Profit = S.P of 20 kg

$$20\text{S.P} = 46\text{S.P} - 46\text{C.P}$$

$$26\text{S.P} = 46\text{C.P}$$

$$\frac{\text{S.P}}{\text{C.P}} = \frac{46}{26} = \frac{23}{13}$$

$$\text{C.P} = \frac{13}{23} \times \text{S.P}$$

Explanation:

$$\text{S.P. of 1 kg} = 1380/46 = ₹30$$

$$\text{C.P}_{23\text{kg}} = \frac{13}{23} \times 30 \times 23 = 390$$

Q. 64

The average of 37 consecutive natural numbers is N. Dropping the first 10 numbers and including the next 10 numbers, the average becomes M. If  $M^2 - N^2 = 480$ , then find M and N.

- a) 27, 21 X
- b) 29, 19 ✓
- c) 18, 28 X
- d) 29, 21 X

Let

For 37 consecutive numbers:

1, 2, 3, ..., 37

$$\rightarrow \text{Middle (average)} = 19 \rightarrow N = 19$$

After dropping first 10 and adding next 10,  
new numbers become:

11, 12, ..., 47

$$\rightarrow \text{Middle (average)} = 29 \rightarrow M = 29$$

So,

$$M - N = 10 \quad (\text{Difference always remains same})$$

Given,

**Explanation:**

$$\begin{aligned} M^2 - N^2 &= 480 \\ (M + N)(M - N) &= 480 \\ (M + N) \times 10 &= 480 \\ M + N &= 48 \end{aligned}$$

Now solving:

$$M - N = 10$$

$$M + N = 48$$

$$\text{Adding} \rightarrow 2M = 58 \Rightarrow M = 29$$

$$\text{Subtracting} \rightarrow 2N = 38 \Rightarrow N = 19$$

<b>Q. 65</b>	<p>What is the area of a regular hexagon circumscribed about a circle of radius 1 cm?</p> <p>a) <math>2\sqrt{3}</math> ✓</p> <p>b) <math>\sqrt{3}</math> ✗</p> <p>c) <math>3\sqrt{3}</math> ✗</p> <p>d) <math>4\sqrt{3}</math> ✗</p>
<b>Explanation:</b>	<p>The radius of the circle (<math>r</math>) = 1 cm.</p> <p>For a regular hexagon circumscribed about a circle,</p> $r = \frac{\sqrt{3}}{2} \times \text{side}$ $\text{side} = \frac{2r}{\sqrt{3}} = \frac{2}{\sqrt{3}} \text{ cm}$ <p><b>Area of a regular hexagon</b> = <math>\frac{3\sqrt{3}}{2} \times (\text{side})^2</math></p> $= \frac{3\sqrt{3}}{2} \times \left(\frac{2}{\sqrt{3}}\right)^2$ $= \frac{3\sqrt{3}}{2} \times \frac{4}{3}$ $= 2\sqrt{3} \text{ cm}^2$

<b>Q. 66</b>	<p>If <math>x^2 + y^2 + z^2 = xy + yz + zx</math> and <math>x = 1</math>, then find the value of</p> $\frac{12x^4 + 5y^4 + 8z^4}{23x^2y^2 + 6y^2z^2 + 19x^2z^2}$ <p>a) <math>25/48</math> ✓</p> <p>b) <math>5/12</math> ✗</p> <p>c) <math>23/24</math> ✗</p> <p>d) <math>43/25</math> ✗</p>
<b>Explanation:</b>	<p><math>x = y = z = 1</math></p> $\frac{12 + 5 + 8}{23 + 6 + 19} = \frac{25}{48}$

Q. 67

The radii of two cylinders are in the ratio 1:2 and their heights are in the ratio 2:5. Find the ratio of their volumes.

- a) 1 : 10 ✓
- b) 2 : 5 ✗
- c) 1 : 5 ✗
- d) 10 : 3 ✗

Formula for volume of a cylinder:

$$V = \pi r^2 h$$

Given:

**Explanation:**

$$r_1:r_2 = 1:2 \text{ and } h_1:h_2 = 2:5$$

$$\begin{aligned} V_1:V_2 &= (r_1^2 h_1):(r_2^2 h_2) \\ &= (1^2 \times 2):(2^2 \times 5) \\ &= 2:20 = 1:10 \end{aligned}$$

Q. 68

If  $\tan^4 x + \tan^2 x = 1$ , then find  $\cos^4 x + \cos^2 x$ .

- a) 1 ✓
- b) 0 ✗
- c) 2 ✗
- d) -1 ✗

**Explanation:**

$$\begin{aligned} t^2(1+t^2) &= 1 \\ t^2(\sec^2 \theta) &= 1 \\ (s^2 / c^2) \times (1 / c^2) &= 1 \\ \Rightarrow s^2 &= c^4 \\ \text{and since } s^2 + c^2 &= 1 \\ \therefore c^4 + c^2 &= 1 \end{aligned}$$

Q. 69

**Find the value:**

$$\sqrt{3\sqrt{3\sqrt{3\sqrt{3\sqrt{\dots}}}}}$$

- a) 3 ✓
- b) 1 ✗
- c) 2 ✗
- d)  $\infty$  ✗

**Explanation:****Let the value of**

$$x = \sqrt{3\sqrt{3\sqrt{3\sqrt{3\sqrt{\dots}}}}}$$

**Then,**

$$x = \sqrt{3x}$$

**Squaring both sides:**

$$x^2 = 3x$$

$$x = 3$$

Q. 70

The sum of the present ages of a woman and her daughter is 60 years. When the woman attains her husband's present age, the ratio of the ages of the husband and her daughter will be 2 : 1. Find the present age (in years) of her daughter.

- a) 40 X
- b) 20 ✓
- c) 30 X
- d) 19 X

Let the **present ages** be:

Woman =  $x$ , Daughter =  $(60 - x)$ , Husband =  $y$

When the **woman attains her husband's present age**,  
 $\rightarrow$  time =  $(y - x)$  years later

According to question:

$$\frac{y + y - x}{60 - x + y - x} = \frac{2}{1}$$

**Explanation:**

Cross-multiply:

$$2y - x = 2(60 - x + y - x)$$

$$2y - x = 120 - 2x + 2y - 2x$$

$$120 = 3x$$

$$x = 40$$

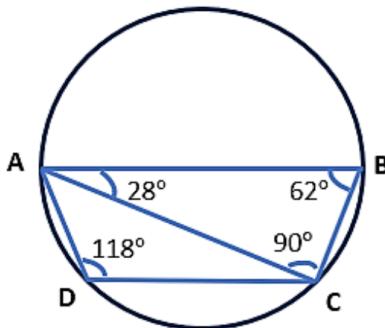
$$\text{Daughter present age} = 60 - 40 = 20$$

Q. 71	<p>What will be the simple interest of ₹5000 in 12 months at 12% annual rate?</p> <p>a) 500 <span style="color: red;">X</span></p> <p>b) 600 <span style="color: green;">✓</span></p> <p>c) 540 <span style="color: red;">X</span></p> <p>d) 450 <span style="color: red;">X</span></p>
<b>Explanation:</b>	<p>Given, <math>P = ₹5000</math> <math>R = 12\% \text{ per annum}</math> <math>T = 12 \text{ months} = 1 \text{ year}</math></p> $\begin{aligned}\text{Simple Interest} &= (P \times R \times T) / 100 \\ &= (5000 \times 12 \times 1) / 100 \\ &= ₹600\end{aligned}$

Q. 72

ABCD is a cyclic quadrilateral in which AB is the diameter of the circle. If  $\angle ADC = 118^\circ$ , find the measure of  $\angle BAC$ .

- a)  $118^\circ$  X
- b)  $54^\circ$  X
- c)  $28^\circ$  ✓
- d)  $56^\circ$  X

**Explanation:**

Since AB is the diameter,  $\angle ACB = 90^\circ$  (angle in a semicircle).

In a cyclic quadrilateral, opposite angles are supplementary.

So,

$$\angle ABC + \angle ADC = 180^\circ$$

$$\angle ABC + 118^\circ = 180^\circ$$

$$\angle ABC = 62^\circ$$

Now, in right triangle ABC:

$$\angle ACB = 90^\circ, \angle ABC = 62^\circ, \text{ hence}$$

$$\angle BAC = 28^\circ$$

Q. 73

A bag contains coins of Rs. 1, Rs. 2, and Rs. 5 in the ratio 5 : 10 : 6 respectively. The total amount in the bag is Rs. 165. How many Rs. 5 coins are in the bag?

- a) 18 ✓
- b) 15 ✗
- c) 19 ✗
- d) 21 ✗

Let the number of coins be **5x, 10x, and 6x**.

$$\begin{aligned}\text{Total value} &= (1 \times 5x) + (2 \times 10x) + (5 \times 6x) \\ &= 5x + 20x + 30x = 55x\end{aligned}$$

**Explanation:**

Given that total amount = Rs. 165

$$\Rightarrow 55x = 165$$

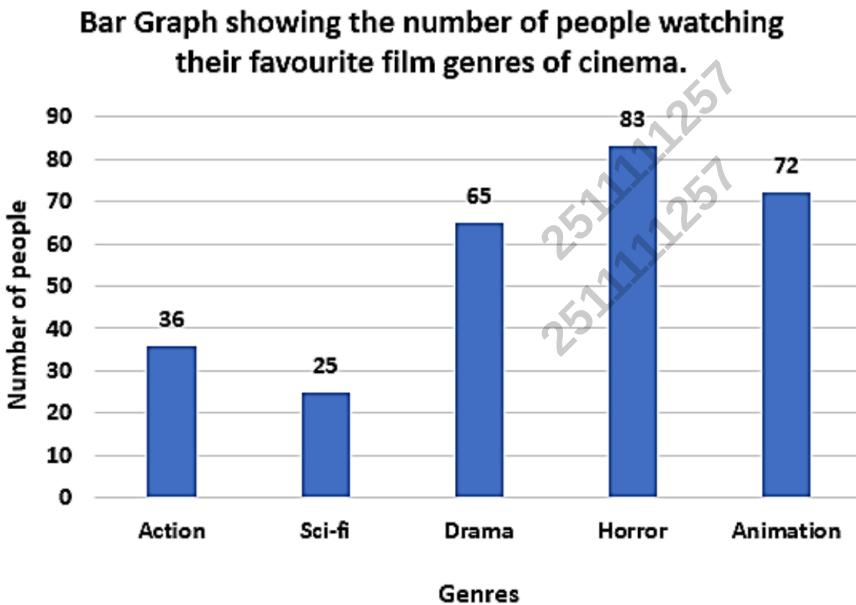
$$\Rightarrow x = 3$$

Now, number of Rs. 5 coins =  $6x = 6 \times 3 = 18$

Q. 74

The bar graph below shows the number of people watching films of their favorite genres.

The number of people watching Action, Sci-fi and Animation films is what percentage (rounded off to the nearest integer) of the number of people watching Drama and Horror films?



- a) 89%
- b) 87%
- c) 93%
- d) 90%

**Explanation:**

The number of people watching Action, Sci-fi and Animation films =  $36 + 25 + 72 \Rightarrow 133$

The number of people watching Drama and Horror films =  $65 + 83 = 148$

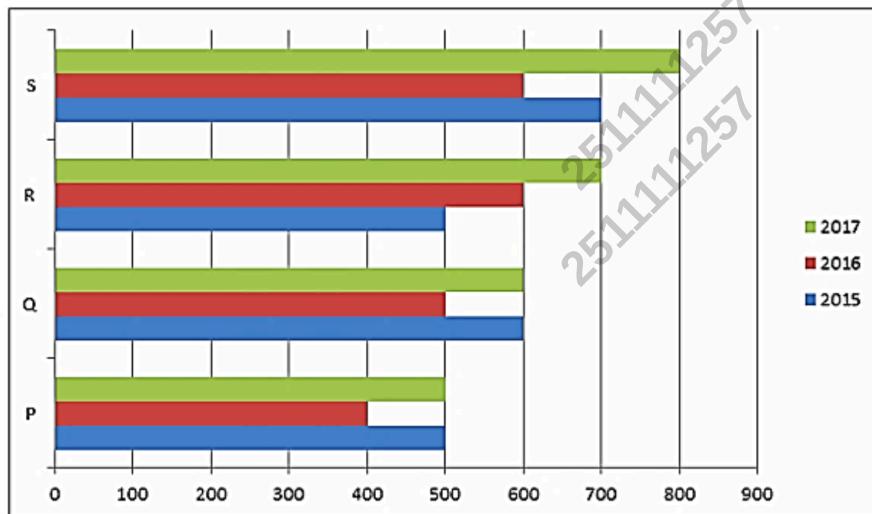
$$\% = \frac{133}{148} \times 100 \Rightarrow 89.86 \approx 90\%$$

Q. 75

The following bar graph shows the number of scooters manufactured by 4 different companies, P, Q, R and S, during the years 2015 - 2017. The x - axis indicates the number of scooters manufactured and the y - axis indicates the companies. Study the bar graph carefully and answer the question that follows.

Manufacture of scooters by 4 companies.

In which year(s) was the percentage increase in the manufacturing of scooters as compared to the previous years the maximum for the company R?



- a) Only 2017 X
- b) Only 2016 ✓
- c) 2016 and 2017 X
- d) 2015 and 2017 X

For company R,

$$\text{Increase in 2016} = \frac{600-500}{500} \times 100 \Rightarrow 20\%$$

$$\text{Increase in 2017} = \frac{700-600}{600} \times 100 \Rightarrow 16.66\%$$

In 2016, there will be maximum increase from the previous year for company R.

**Explanation:**

Q. 76	<p>Select the synonym of the word "Obdurate"</p> <p>a) Stubborn ✓</p> <p>b) Sensitive ✗</p> <p>c) Persuasive ✗</p> <p>d) Yielding ✗</p>
Explanation:	<p>✓ Correct Answer: Stubborn</p> <p><i>Explanation:</i></p> <ul style="list-style-type: none"><li>• Obdurate means unyielding, stubborn, or resistant to persuasion or softening.</li><li>• It often carries a negative tone, implying someone is <b>unreasonably inflexible</b>, especially in moral or emotional contexts.</li></ul>
Q. 77	<p>Choose the correct word:</p> <p>"His argument was filled with ____ details that confused everyone."</p> <p>a) Transparent ✗</p> <p>b) Tenebrous ✓</p> <p>c) Obsolete ✗</p> <p>d) Altruistic ✗</p>
Explanation:	<p>✓ Correct Answer: Tenebrous</p> <p><i>Explanation:</i></p> <ul style="list-style-type: none"><li>• Tenebrous means dark, obscure, or difficult to understand — perfect for describing confusing or murky details in an argument.<ul style="list-style-type: none"><li>◦ "<i>His argument was filled with tenebrous details...</i>" implies the details were shadowy or unclear.</li></ul></li></ul>

<p><b>Q. 78</b></p> <p>Choose the correct meaning of the idiom: "<i>To cut someone to the quick</i>"</p> <p>a) To insult someone deeply ✓</p> <p>b) To criticize someone mildly ✗</p> <p>c) To attack physically ✗</p> <p>d) To abandon someone ✗</p>	<p><b>Explanation:</b></p> <p><b>Correct Answer:</b> To insult someone deeply</p> <p><b>Explanation:</b></p> <ul style="list-style-type: none"> <li>The idiom "to cut someone to the quick" means to hurt someone very deeply, especially emotionally or personally.</li> <li>The word "quick" here refers to the living flesh beneath the skin — so metaphorically, it implies wounding someone at their most sensitive core.</li> </ul>
<p><b>Q. 79</b></p> <p>Select the correct indirect speech:</p> <p>He said to her, "Do you know where my keys are?"</p> <p>a) He asked her did she know where are his keys. ✗</p> <p>b) He asked her if she knows where my keys are. ✗</p> <p>c) He asked her if she knew where are his keys. ✗</p> <p>d) He asked her whether she knew where his keys were. ✓</p>	<p><b>Explanation:</b></p> <p><b>Correct Answer:</b> He asked her whether she knew where his keys were.</p> <p><b>Explanation:</b></p> <p>This is a yes/no question in direct speech, so the correct indirect speech must follow these rules:</p> <ul style="list-style-type: none"> <li>Reporting verb: "asked" (used for questions)</li> <li>Conjunction: "if" or "whether" (both acceptable)</li> <li>Tense shift: <ul style="list-style-type: none"> <li>"Do you know..." → "she knew..."</li> <li>"my keys are" → "his keys were"</li> </ul> </li> <li>Pronoun shift: "my" → "his"</li> </ul>

**Q. 80**

Read the passage carefully and answer the questions below.

Global warming refers to the rise in average worldwide temperature, primarily due to human activities like burning fossil fuels and deforestation. The effects are becoming more visible through extreme weather events, rising sea levels, and loss of biodiversity. Though international summits have discussed mitigation, progress remains uneven. Individual efforts like reducing waste, adopting cleaner energy, and supporting reforestation play a vital role in addressing this global challenge.

**Q. What is the primary cause of global warming according to the passage?**

- a) Natural climatic cycles  X
- b) Ocean currents  X
- c) Human activities  ✓
- d) Volcanic eruptions  X

**Correct Answer: Human activities**

**Explanation:**

- The passage clearly states: “**Global warming refers to the rise in average worldwide temperature, primarily due to human activities like burning fossil fuels and deforestation.**”
- This directly identifies **human activities** as the **primary cause**.

**Explanation:**

**Q. 81**

Read the passage carefully and answer the questions below.

Global warming refers to the rise in average worldwide temperature, primarily due to human activities like burning fossil fuels and deforestation. The effects are becoming more visible through extreme weather events, rising sea levels, and loss of biodiversity. Though international summits have discussed mitigation, progress remains uneven. Individual efforts like reducing waste, adopting cleaner energy, and supporting reforestation play a vital role in addressing this global challenge.

**Q. Which of the following is *not* an effect of global warming?**

- a) Extreme weather events  X
- b) Falling sea levels  ✓
- c) Biodiversity loss  X
- d) Rising temperatures  X

✓ **Correct Answer: Falling sea levels**

**Explanation:**

- The passage clearly lists the **effects of global warming** as:
  - Extreme weather events
  - Rising sea levels
  - Loss of biodiversity
  - Rising temperatures (implied by definition)
- **Falling sea levels** is not mentioned and is factually incorrect — global warming causes sea levels to rise, not fall.

Q. 82

Read the passage carefully and answer the questions below.

Global warming refers to the rise in average worldwide temperature, primarily due to human activities like burning fossil fuels and deforestation. The effects are becoming more visible through extreme weather events, rising sea levels, and loss of biodiversity. Though international summits have discussed mitigation, progress remains uneven. Individual efforts like reducing waste, adopting cleaner energy, and supporting reforestation play a vital role in addressing this global challenge.

Q. The phrase “progress remains uneven” in the passage means:

- a) Progress is consistent everywhere
- b) There is no progress at all
- c) Progress differs across regions
- d) Progress is rapid globally

Explanation:

Correct Answer: Progress differs across regions

*Explanation:*

- The phrase “progress remains uneven” implies that **efforts to mitigate global warming are not uniform** — some regions or countries may be advancing, while others lag behind.
- It does **not** mean there’s **no progress**, nor that progress is **consistent or rapid**.

Q. 83

Read the passage carefully and answer the questions below.

Global warming refers to the rise in average worldwide temperature, primarily due to human activities like burning fossil fuels and deforestation. The effects are becoming more visible through extreme weather events, rising sea levels, and loss of biodiversity. Though international summits have discussed mitigation, progress remains uneven. Individual efforts like reducing waste, adopting cleaner energy, and supporting reforestation play a vital role in addressing this global challenge

Q. The tone of the passage can be best described as:

- a) Argumentative  X
- b) Informative  ✓
- c) Pessimistic  X
- d) Sarcastic  X

Correct Answer: Informative

*Explanation:*

- The passage presents **factual information** about global warming:
  - Its **causes** (human activities)
  - Its **effects** (extreme weather, rising sea levels, biodiversity loss)
  - **Efforts** to mitigate it (summits, individual actions)
- The tone is **neutral and explanatory**, aiming to **inform** rather than persuade, criticize, or mock.

**Explanation:**

Q. 84

Fill in the blanks with appropriate options:

The Internet has become a \_\_\_ (1) part of our lives. It not only \_\_\_ (2) communication but also provides a platform for education and business. However, one must remain cautious of \_\_\_ (3) information, cyber fraud, and data theft. Digital literacy is, therefore, a key aspect of being a \_\_\_ (4) citizen in the modern world. Governments across the globe are \_\_\_ (5) policies to promote safe and ethical use of technology.

What will come in blank (1)

- a) extravagant
- b) temporary
- c) trivial
- d) indispensable

 Correct Answer: indispensable

*Explanation:*

- The sentence describes the Internet as an essential part of modern life.
- “Indispensable” means **absolutely necessary or essential**, which fits perfectly in this context.

Explanation:

Q. 85

Fill in the blanks with appropriate options:

The Internet has become a \_\_\_ (1) part of our lives. It not only \_\_\_ (2) communication but also provides a platform for education and business. However, one must remain cautious of \_\_\_ (3) information, cyber fraud, and data theft. Digital literacy is, therefore, a key aspect of being a \_\_\_ (4) citizen in the modern world. Governments across the globe are \_\_\_ (5) policies to promote safe and ethical use of technology.

What will come in blank (2)

- a) disrupts
- b) hampers
- c) facilitates
- d) nullifies

Correct Answer: facilitates

*Explanation:*

- The sentence says: "*It not only \_\_\_ communication but also provides a platform for education and business.*"
- The intended meaning is **positive** — the Internet **helps or supports** communication.
- **Facilitates** means **makes easier or promotes**, which fits perfectly.

**Explanation:**

Q. 86

Fill in the blanks with appropriate options:

The Internet has become a \_\_\_ (1) part of our lives. It not only \_\_\_ (2) communication but also provides a platform for education and business. However, one must remain cautious of \_\_\_ (3) information, cyber fraud, and data theft. Digital literacy is, therefore, a key aspect of being a \_\_\_ (4) citizen in the modern world. Governments across the globe are \_\_\_ (5) policies to promote safe and ethical use of technology.

What will come in blank (3)

- a) misleading ✓
- b) authentic ✗
- c) secure ✗
- d) vivid ✗

Correct Answer: misleading

*Explanation:*

- The sentence warns about **cyber fraud**, **data theft**, and the need for **digital caution**.
- So, the correct word for blank (3) must reflect **dangerous or deceptive information**.
- “Misleading” means **false or deceptive**, which fits perfectly.

**Explanation:**

Q. 87

Fill in the blanks with appropriate options:

The Internet has become a \_\_\_ (1) part of our lives. It not only \_\_\_ (2) communication but also provides a platform for education and business. However, one must remain cautious of \_\_\_ (3) information, cyber fraud, and data theft. Digital literacy is, therefore, a key aspect of being a \_\_\_ (4) citizen in the modern world. Governments across the globe are \_\_\_ (5) policies to promote safe and ethical use of technology.

What will come in blank (4)

- a) careless
- b) chronic
- c) responsible
- d) reluctant

 **Correct Answer: responsible**

*Explanation:*

- The sentence emphasizes the importance of **digital literacy** in the modern world.
- To match this positive and proactive tone, the correct word must describe a citizen who uses technology **ethically and safely**.
- “**Responsible**” fits perfectly, implying someone who is **digitally aware, cautious, and ethical**.

**Explanation:**

Q. 88

Fill in the blanks with appropriate options:

The Internet has become a \_\_\_ (1) part of our lives. It not only \_\_\_ (2) communication but also provides a platform for education and business. However, one must remain cautious of \_\_\_ (3) information, cyber fraud, and data theft. Digital literacy is, therefore, a key aspect of being a \_\_\_ (4) citizen in the modern world. Governments across the globe are \_\_\_ (5) policies to promote safe and ethical use of technology.

What will come in blank (5)

- a) formulating ✓
- b) ignoring ✗
- c) abolishing ✗
- d) complicating ✗

Explanation:

Correct Answer: formulating

*Explanation:*

- The sentence discusses how governments are promoting safe and ethical use of technology.
- The correct verb must reflect a constructive, policy-making action.
- “Formulating” means developing or creating systematically, which fits perfectly in this context.

Q. 89

Choose the idiom that means

*“face the consequences”:*

- a) Bark up the wrong tree ✗
- b) Pay the piper ✓
- c) Throw in the towel ✗
- d) Bite the bullet ✗

Explanation:

Correct Answer: Pay the piper

*Explanation:*

- The idiom “pay the piper” means to face the consequences of one’s actions, especially after enjoying the benefits or avoiding responsibility.
- It originates from the legend of the Pied Piper, where the town had to pay for failing to honour their promise.

Q. 90	<p>Choose the antonym of "Pristine":</p> <p>a) Untainted <input checked="" type="checkbox"/> X</p> <p>b) Elegant <input checked="" type="checkbox"/> X</p> <p>c) Original <input checked="" type="checkbox"/> X</p> <p>d) Polluted <input checked="" type="checkbox"/> ✓</p>
Explanation:	<p><input checked="" type="checkbox"/> Correct Answer: Polluted</p> <p><i>Explanation:</i></p> <ul style="list-style-type: none"><li>Pristine means pure, unspoiled, or untouched — often used to describe something in its original, clean, or natural state.</li><li>The opposite of that would be polluted, which implies contaminated, dirty, or corrupted.</li></ul>
Q. 91	<p>Select the correctly spelled word:</p> <p>a) Sacreligious <input checked="" type="checkbox"/> X</p> <p>b) Sacrilegious <input checked="" type="checkbox"/> ✓</p> <p>c) Sacrilegous <input checked="" type="checkbox"/> X</p> <p>d) Sacriligious <input checked="" type="checkbox"/> X</p>
Explanation:	<p><input checked="" type="checkbox"/> Correct Answer: Sacrilegious</p> <p><i>Explanation:</i></p> <ul style="list-style-type: none"><li>"Sacrilegious" is the correct spelling.</li><li>It refers to showing disrespect or irreverence toward something sacred or religious.</li><li>Commonly misspelled due to confusion with "religious," but the correct root is "sacrilege", not "religion."</li></ul>

Q. 92

In the following questions, a part of the sentence is bolded. Select the best alternative to the bolded part.

The reason why he was late was because his car broke down.

- a) was that ✓
- b) was due to ✗
- c) is because ✗
- d) no improvement ✗

✓ Correct Answer: was that

*Explanation:*

- The original sentence contains a redundancy: "The reason why... was because..." This is incorrect because both "reason why" and "because" serve the same purpose — explaining a cause.
- The correct construction is: "The reason why he was late was that his car broke down."

Explanation:

Q. 93

Choose the correct preposition:

"He was accused \_\_\_\_ theft."

- a) in ✗
- b) on ✗
- c) with ✗
- d) of ✓

✓ The correct preposition is: of

*Correct sentence: "He was accused of theft."*

*Explanation:*

- The verb "accused" is typically followed by the preposition "of" when referring to the crime or wrongdoing someone is charged with.
- "Accused of [something]" is the standard grammatical construction.

Explanation:

Q. 94	<p>Replace the bold part with the best option:  <b>"The manager insisted for a detailed report."</b></p> <p>a) insisted over <span style="color: red;">X</span></p> <p>b) insisted upon <span style="color: green;">✓</span></p> <p>c) insisted to <span style="color: red;">X</span></p> <p>d) insisted at <span style="color: red;">X</span></p>
<b>Explanation:</b>	<p><span style="color: green;">✓</span> The correct replacement is: insisted upon          Correct sentence: "<i>The manager insisted upon a detailed report.</i>"</p> <p><b>Explanation:</b>          The verb "insist" is followed by:             <ul style="list-style-type: none"> <li>• "on/upon" + noun/gerund → when specifying what is being insisted.</li> <li>• "that" clause → when insisting on an action.</li> </ul>         Here, "a detailed report" is a noun phrase, so the correct preposition is "upon" (or "on").</p>
Q. 95	<p>Identify the part of the sentence with an error. If there is no error, choose option 'no error'</p> <p>He denied / to have committed / the crime during interrogation.</p> <p>a) He denied to <span style="color: red;">X</span></p> <p>b) to have committed <span style="color: green;">✓</span></p> <p>c) the crime during interrogation <span style="color: red;">X</span></p> <p>d) No error <span style="color: red;">X</span></p>
<b>Explanation:</b>	<p>The error lies in the <b>second part</b> of the sentence: "<b>to have committed</b>".</p> <p><span style="color: green;">✓</span> Correct Answer: to have committed</p> <p><b>Explanation:</b> <ul style="list-style-type: none"> <li>• The verb "deny" is <b>not followed by an infinitive ("to + verb")</b>.</li> <li>• Instead, it is followed by a <b>gerund (verb + -ing)</b>.</li> </ul>         So, the correct construction is:  <b>He denied having committed the crime during interrogation.</b></p> <p><b>Grammar Rule:</b> <ul style="list-style-type: none"> <li>• Verbs like "deny", "admit", "avoid", "consider", "enjoy", "suggest", etc. are followed by <b>gerunds</b>, not infinitives.</li> </ul> </p>

Q. 96	<p><b>Choose the correct One Word Substitution:</b> A person who believes that pleasure is the chief good of life.</p> <p>a) Cynic <input checked="" type="checkbox"/> X</p> <p>b) Fatalist <input checked="" type="checkbox"/> X</p> <p>c) Hedonist <input checked="" type="checkbox"/> ✓</p> <p>d) Philanthropist <input checked="" type="checkbox"/> X</p>
Explanation:	<p><b>Correct Answer:</b> Hedonist <input checked="" type="checkbox"/></p> <p><b>Key Concept:</b></p> <ul style="list-style-type: none"><li>The word "hedonism" comes from the Greek word <i>hēdonē</i> meaning pleasure.</li><li>A hedonist prioritizes pleasure and sensual self-indulgence as the ultimate goal.</li></ul> <p><b>Cynic</b> – Believes people are motivated purely by self-interest – Distrusts sincerity</p> <p><b>Fatalist</b> – Believes all events are predetermined – Accepts inevitability of outcomes</p> <p><b>Hedonist</b> <input checked="" type="checkbox"/> – Believes pleasure is the highest good – Views pleasure as the primary aim of life</p> <p><b>Philanthropist</b> – Seeks to promote the welfare of others – Often donates money to support causes</p>

Q. 97

**Fill in the Blanks:**

The old woman is very \_\_\_\_ about spending money and saves even the smallest coin.

- a) frugal ✓
- b) lavish ✗
- c) generous ✗
- d) prodigal ✗

✓ Correct Answer: frugal

**Completed Sentence:**

*The old woman is very frugal about spending money and saves even the smallest coin.*

**Word Choice Evaluation – Meaning & Logic Fit:****Explanation:**

1. **Frugal** ✓ – Economical and careful in spending – Perfectly fits the idea of saving every coin
2. **Lavish** ✗ – Spending freely or extravagantly – Opposite of the intended meaning
3. **Generous** ✗ – Willing to give freely – Doesn't imply saving or careful spending
4. **Prodigal** ✗ – Wastefully extravagant – Strongly contradicts the sentence

**Q. 98**

Answer the Para Jumble correctly.

- P) Scientists are developing new technologies  
Q) to reduce carbon emissions  
R) because climate change poses a global threat  
S) and save the environment
- a) RPQS ✓  
b) PQRS ✗  
c) RQSP ✗  
d) QPRS ✗

**Correct Answer:** RPQS

**Rearranged Sentence:**

Because climate change poses a global threat, scientists are developing new technologies to reduce carbon emissions and save the environment.

**Explanation:**

**Logical Flow Breakdown:**

1. **R** – Introduces the cause: *Because climate change poses a global threat*
2. **P** – States the response: *Scientists are developing new technologies*
3. **Q** – Specifies the purpose: *to reduce carbon emissions*
4. **S** – Adds a complementary goal: *and save the environment*

Q. 99	<p><b>Fill in the Blanks:</b></p> <p>The manager ____ the responsibility of the failure on his team.</p> <p>a) absorbed <input checked="" type="checkbox"/> X</p> <p>b) imposed <input checked="" type="checkbox"/> X</p> <p>c) replaced <input checked="" type="checkbox"/> X</p> <p>d) shifted <input checked="" type="checkbox"/> ✓</p>
Explanation:	<p><input checked="" type="checkbox"/> Correct Answer: shifted</p> <p><b>Completed Sentence:</b></p> <p>The manager shifted the responsibility of the failure on his team.</p> <p><b>Options and Meanings:</b></p> <ol style="list-style-type: none"><li>1. <b>Absorbed</b> – To take in or soak up; in this context, it would mean taking the responsibility himself (X) illogical here).</li><li>2. <b>Imposed</b> – To force something upon others; not suitable for “responsibility” in this sentence (X).</li><li>3. <b>Replaced</b> – To substitute one thing for another; grammatically and contextually incorrect here (X).</li><li>4. <b>Shifted</b> <input checked="" type="checkbox"/> – To transfer or move something from one place/person to another; fits perfectly as it implies <b>passing the blame</b>.</li></ol>

Q. 100	<p>Rearrange the sentence parts to form a meaningful paragraph.</p> <p>P) students need to learn critical thinking skills Q) in order to make informed decisions R) with the availability of large volumes of information S) online today</p> <p>a) RSPQ ✓ b) PQRS ✗ c) RPSQ ✗ d) SPQR ✗</p>
Explanation:	<p>✓ Correct Answer: RSPQ</p> <p><i>Rearranged Sentence:</i></p> <p>With the availability of large volumes of information online today, students need to learn critical thinking skills in order to make informed decisions.</p> <p><i>Logical Flow Breakdown:</i></p> <ol style="list-style-type: none"><li>1. <b>R</b> – Introduces the context: <i>With the availability of large volumes of information...</i></li><li>2. <b>S</b> – Completes the context: <i>...online today</i></li><li>3. <b>P</b> – States the need: <i>students need to learn critical thinking skills</i></li><li>4. <b>Q</b> – Explains the purpose: <i>in order to make informed decisions</i></li></ol>