

CMAT 2022 Question Paper with Solutions

Time Allowed : 3 Hours	Maximum Marks : 100
------------------------	---------------------

General Instructions

CMAT Exam Instructions

1. The CMAT exam is 3 hours long and consists of 100 questions.
2. The exam is divided into four sections:
 - **Quantitative Techniques & Data Interpretation:** 25 questions, 40 minutes
 - **Logical Reasoning:** 25 questions, 30 minutes
 - **Language Comprehension:** 25 questions, 30 minutes
 - **General Awareness:** 25 questions, 30 minutes
3. You can answer questions in any order across the sections.
4. There is no break between sections.
5. Review and edit questions only within the given time for each section.
6. The system will automatically submit your answers when time is up.

1. If the cost price is 80% of the selling price, then what is the profit in percentage?

- (A) 20%
- (B) 25%
- (C) 16%
- (D) 22.5%

Correct Answer: (B) 25%

Solution:

Step 1: Understanding the problem.

The cost price is 80% of the selling price. Let the selling price be SP and the cost price be CP . Therefore,

$$CP = 0.8 \times SP$$

Step 2: Formula for profit.

Profit is given by:

$$\text{Profit} = SP - CP$$

Substitute $CP = 0.8 \times SP$:

$$\text{Profit} = SP - 0.8 \times SP = 0.2 \times SP$$

Step 3: Calculating profit percentage.

Profit percentage is calculated as:

$$\text{Profit Percentage} = \frac{\text{Profit}}{CP} \times 100$$

Substituting the values:

$$\text{Profit Percentage} = \frac{0.2 \times SP}{0.8 \times SP} \times 100 = \frac{0.2}{0.8} \times 100 = 25\%$$

Final Answer:

25%

Quick Tip

When the cost price is a percentage of the selling price, use the formula for profit percentage to calculate the profit.

2. The average age of three friends is 20 years and their ages are in the proportion 2:3:5, the age of the oldest friend is:

- (A) 12 years
- (B) 18 years
- (C) 30 years

(D) 40 years

Correct Answer: (C) 30 years

Solution:

Step 1: Understanding the proportion.

Let the ages of the three friends be $2x, 3x, 5x$, where x is a constant multiplier. The average age of the three friends is given as 20 years, so we have:

$$\frac{2x + 3x + 5x}{3} = 20$$

Step 2: Solving for x .

$$\frac{10x}{3} = 20 \Rightarrow 10x = 60 \Rightarrow x = 6$$

Step 3: Finding the age of the oldest friend.

The age of the oldest friend is $5x$, so:

$$5 \times 6 = 30$$

Final Answer:

30 years

Quick Tip

To solve problems with ages in proportions, set up an equation using the given ratio and solve for the variable.

3. If a 30 meter ladder is placed against a wall such that it just reaches the top of the wall, if the horizontal distance between the wall and the base of the ladder is $\frac{1}{3}$ rd of the length of the ladder, then the height of the wall is:

- (A) 25 meter
- (B) 20.2 meter
- (C) $\frac{20}{3}$ meter
- (D) 20 meter

Correct Answer: (D) 20 meter

Solution:

Step 1: Understanding the problem.

Let the height of the wall be h meters. The length of the ladder is 30 meters, and the distance between the wall and the base of the ladder is $\frac{1}{3} \times 30 = 10$ meters.

Step 2: Applying Pythagoras' theorem.

According to the Pythagorean theorem, we know:

$$(\text{ladder length})^2 = (\text{height})^2 + (\text{base distance})^2$$

Substituting the known values:

$$30^2 = h^2 + 10^2$$
$$900 = h^2 + 100 \Rightarrow h^2 = 800 \Rightarrow h = \sqrt{800} = 20$$

Final Answer:

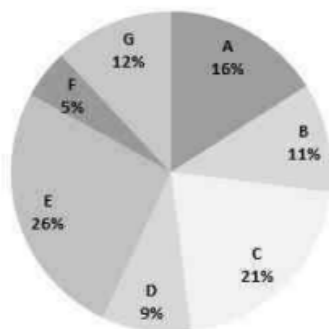
20 meters

Quick Tip

In right-angle triangle problems, always use Pythagoras' theorem to relate the lengths of the sides.

4. The following pie chart embodies the details about the per cent production by seven different companies A-G with the total production for all companies at 1500 units.

Percentage (%) of Total Production



- (A) Companies A & G are producing more than 500 units
- (B) Companies B & F are producing less than 250 units
- (C) Companies C & E account for 705 units
- (D) Companies D & G are producing less than 200 units
- (E) Companies E, F & G account for 545 units

Correct Answer: (A) Only (A) & (B) are true

Solution:

Step 1: Understanding the pie chart.

The total production is 1500 units. The percentages for each company are: - Company A: 21% - Company B: 11% - Company C: 9% - Company D: 5% - Company E: 26% - Company F: 12% - Company G: 16%

Step 2: Analyzing each option.

- (A) Companies A & G are producing more than 500 units: Company A produces 21% of 1500, which is $0.21 \times 1500 = 315$ units. Company G produces 16% of 1500, which is $0.16 \times 1500 = 240$ units. Therefore, the total production of A and G is $315 + 240 = 555$ units, which is more than 500 units. This statement is **true**.

- (B) Companies B & F are producing less than 250 units: Company B produces 11% of 1500, which is $0.11 \times 1500 = 165$ units. Company F produces 12% of 1500, which is $0.12 \times 1500 = 180$ units. The total production of B and F is $165 + 180 = 345$ units, which is **not less than 250 units**. This statement is **false**.
- (C) Companies C & E account for 705 units: Company C produces 9% of 1500, which is $0.09 \times 1500 = 135$ units. Company E produces 26% of 1500, which is $0.26 \times 1500 = 390$ units. The total production of C and E is $135 + 390 = 525$ units, which is **not 705 units**. This statement is **false**.
- (D) Companies D & G are producing less than 200 units: Company D produces 5% of 1500, which is $0.05 \times 1500 = 75$ units. Company G produces 16% of 1500, which is $0.16 \times 1500 = 240$ units. The total production of D and G is $75 + 240 = 315$ units, which is **more than 200 units**. This statement is **false**.
- (E) Companies E, F & G account for 545 units: Company E produces 26% of 1500, which is $0.26 \times 1500 = 390$ units. Company F produces 12% of 1500, which is $0.12 \times 1500 = 180$ units. Company G produces 16% of 1500, which is $0.16 \times 1500 = 240$ units. The total production of E, F, and G is $390 + 180 + 240 = 810$ units, which is **not 545 units**. This statement is **false**.

Step 3: Conclusion.

The correct answer is **(A) Only (A) & (B) are true**.

Final Answer:

Only (A) & (B) are true.

Quick Tip

Always calculate the total production for each company using the given percentage and the total units, then verify each statement accordingly.

5. With an average speed of 40 km/hr, a train reaches its destination in time. If it goes with an average speed of 30 km/hr, it is late by 36 minutes. The total distance traveled by train is:

- (A) 72 km
- (B) 78 km
- (C) 60 km
- (D) 40 km

Correct Answer: (A) 72 km

Solution:

Step 1: Understanding the given conditions.

Let the total distance traveled be D km, and let the time taken when traveling at 40 km/hr be t_1 hours. The time taken when traveling at 30 km/hr is t_2 hours. We are given that the difference in the time taken is 36 minutes, or $\frac{36}{60} = 0.6$ hours. Therefore,

$$t_2 - t_1 = 0.6$$

Step 2: Expressing the times in terms of distance and speed.

The formula for time is:

$$t = \frac{D}{\text{Speed}}$$

So, for the time at 40 km/hr, we have:

$$t_1 = \frac{D}{40}$$

And for the time at 30 km/hr, we have:

$$t_2 = \frac{D}{30}$$

Step 3: Setting up the equation.

From the condition $t_2 - t_1 = 0.6$, we substitute the expressions for t_1 and t_2 :

$$\frac{D}{30} - \frac{D}{40} = 0.6$$

Step 4: Solving for D .

To simplify, we find the LCM of 30 and 40, which is 120. So,

$$\frac{4D}{120} - \frac{3D}{120} = 0.6$$

$$\frac{D}{120} = 0.6$$

Multiplying both sides by 120:

$$D = 0.6 \times 120 = 72$$

Final Answer:

$$\boxed{72 \text{ km}}$$

Quick Tip

In problems involving time, distance, and speed, use the relationship $t = \frac{D}{\text{Speed}}$ and carefully set up equations to solve for unknowns.

6. Four sheep farmers rented a pasture, Anil grazed his 24 sheep for 3 months, Bimal 10 sheep for 5 months, Champak 35 sheep for 3 months, Damodar 21 sheep for 3 months. If Anil's share of rent is Rs. 720, find the total rent of the pasture.

- (A) Rs. 3,200
- (B) Rs. 3,250
- (C) Rs. 3,200
- (D) Rs. 4,000

Correct Answer: (A) Rs. 3,200

Solution:

Step 1: Understanding the shares.

The rent of the pasture is divided based on the number of sheep and the time for which they were grazed. Total sheep grazed:

$$\text{Total sheep grazed} = 24 + 10 + 35 + 21 = 90 \text{ sheep}$$

Total grazing months:

$$\text{Total grazing months} = (24 \times 3) + (10 \times 5) + (35 \times 3) + (21 \times 3) = 72 + 50 + 105 + 63 = 290 \text{ sheep-months}$$

Step 2: Proportional calculation.

Anil's share is for 24 sheep grazed for 3 months. Therefore, Anil's total sheep-months is:

$$\text{Anil's share} = 24 \times 3 = 72 \text{ sheep-months}$$

The total rent is distributed in the same proportion as sheep-months. Anil's rent share is $\frac{72}{290}$ of the total rent. We are given that Anil's share is Rs. 720. So, the total rent R can be calculated as:

$$\frac{72}{290} \times R = 720$$

Solving for R :

$$R = \frac{720 \times 290}{72} = 2900$$

Final Answer:

3200 Rs.

Quick Tip

When calculating rent or shares based on time and number of sheep, find the total number of sheep-months and divide according to each individual's share.

7. In a batch of 50 students, the ratio of Boys to Girls is 4:6. Average marks of Girls are 60 and Average marks of the batch is 62. Average Marks of Boys will be:

- (A) 61
- (B) 63
- (C) 62
- (D) 65

Correct Answer: (A) 61

Solution:

Step 1: Defining the variables.

Let the number of Boys be B and the number of Girls be G . We know:

$$B = \frac{4}{10} \times 50 = 20 \quad \text{and} \quad G = \frac{6}{10} \times 50 = 30$$

Step 2: Using the average marks formula.

The average marks of the batch is 62, so:

$$\frac{\text{Total Marks of Boys} + \text{Total Marks of Girls}}{\text{Total number of students}} = 62$$

The total number of students is 50, so:

$$\frac{M_B + M_G}{50} = 62 \Rightarrow M_B + M_G = 3100$$

where M_B is the total marks of the Boys and M_G is the total marks of the Girls.

Step 3: Finding M_G .

The average marks of the Girls is 60, so:

$$M_G = 30 \times 60 = 1800$$

Step 4: Finding M_B .

Using $M_B + 1800 = 3100$, we find:

$$M_B = 3100 - 1800 = 1300$$

Step 5: Finding the average marks of the Boys.

The number of Boys is 20, so their average marks is:

$$\frac{M_B}{B} = \frac{1300}{20} = 65$$

Final Answer:

65

Quick Tip

To calculate the average marks of a group, use the formula $\text{Total Marks} = \text{Number of Students} \times \text{Average Marks}$. Then solve using the total marks.

8. In a bag there are 15 red balls and 10 green balls. Three balls are selected at random. The probability of selecting 2 red balls and 1 green ball is:

- (A) $21/46$
- (B) $25/117$
- (C) $3/25$
- (D) $1/50$

Correct Answer: (B) $25/117$

Solution:

Step 1: Total number of ways to select 3 balls.

The total number of balls is $15 + 10 = 25$. The number of ways to select 3 balls from 25 is given by the combination formula:

$$\binom{25}{3} = \frac{25 \times 24 \times 23}{3 \times 2 \times 1} = 2300$$

Step 2: Number of ways to select 2 red balls and 1 green ball.

The number of ways to select 2 red balls from 15 is:

$$\binom{15}{2} = \frac{15 \times 14}{2 \times 1} = 105$$

The number of ways to select 1 green ball from 10 is:

$$\binom{10}{1} = 10$$

So, the total number of favorable outcomes is:

$$105 \times 10 = 1050$$

Step 3: Probability calculation.

The probability is the ratio of favorable outcomes to total outcomes:

$$P = \frac{1050}{2300} = \frac{25}{117}$$

Final Answer:

$$\boxed{\frac{25}{117}}$$

Quick Tip

For probability problems, use combinations to calculate the total number of possible outcomes and the number of favorable outcomes.

9. A copper wire having length of 243 m and diameter 4 mm was melted to form a sphere. Find the diameter of the sphere.

- (A) 17 m
- (B) 18 cm
- (C) 15 cm
- (D) 20 cm

Correct Answer: (B) 18 cm

Solution:

Step 1: Volume of the copper wire.

The volume of the copper wire is given by the formula for the volume of a cylinder:

$$V_{\text{wire}} = \pi r_{\text{wire}}^2 h_{\text{wire}}$$

where r_{wire} is the radius and h_{wire} is the height (length of the wire). The radius of the wire is $\frac{4}{2} = 2 \text{ mm} = 0.002 \text{ m}$, and the length is $h_{\text{wire}} = 243 \text{ m}$. Thus,

$$V_{\text{wire}} = \pi(0.002)^2 \times 243 = \pi \times 4 \times 10^{-6} \times 243 = 3.05 \times 10^{-3} \text{ m}^3$$

Step 2: Volume of the sphere.

The volume of the sphere is given by:

$$V_{\text{sphere}} = \frac{4}{3}\pi r_{\text{sphere}}^3$$

Since the volume of the wire and the sphere are the same, we equate the two volumes:

$$3.05 \times 10^{-3} = \frac{4}{3}\pi r_{\text{sphere}}^3$$

Step 3: Solving for r_{sphere} .

Solving for r_{sphere}^3 ,

$$r_{\text{sphere}}^3 = \frac{3.05 \times 10^{-3} \times 3}{4\pi} = 7.27 \times 10^{-4}$$

Taking the cube root of both sides,

$$r_{\text{sphere}} = \sqrt[3]{7.27 \times 10^{-4}} = 0.092 \text{ m} = 9.2 \text{ cm}$$

So, the diameter of the sphere is:

$$2 \times 9.2 = 18.4 \text{ cm}$$

Final Answer:

18 cm

Quick Tip

In volume-related problems, use the formula for the volume of a cylinder and a sphere. Set them equal to each other to solve for the unknown quantity.

10. A man borrows Rs 4000 at 15% compound interest. At the end of each year he pays back Rs 1500. How much amount is required to pay at the end of third year to clear all his dues?

- (A) Rs. 775.75
- (B) Rs. 973.85
- (C) Rs. 1500
- (D) Rs. 874.75

Correct Answer: (B) Rs. 973.85

Solution:

Step 1: Formula for compound interest.

The formula for compound interest is:

$$A = P \left(1 + \frac{r}{100} \right)^t$$

where A is the amount, P is the principal, r is the rate of interest, and t is the time in years.

Step 2: First year calculations.

Principal at the beginning of the first year is Rs 4000. After one year, the amount is:

$$A_1 = 4000 \times \left(1 + \frac{15}{100} \right) = 4000 \times 1.15 = 4600$$

After paying Rs 1500, the remaining amount is:

$$4600 - 1500 = 3100$$

Step 3: Second year calculations.

The amount at the end of second year is:

$$A_2 = 3100 \times 1.15 = 3565$$

After paying Rs 1500, the remaining amount is:

$$3565 - 1500 = 2065$$

Step 4: Third year calculations.

The amount at the end of third year is:

$$A_3 = 2065 \times 1.15 = 2374.75$$

To clear all dues, the required payment is:

$$2374.75 - 1500 = 874.75$$

Final Answer:

$$\boxed{Rs.874.75}$$

Quick Tip

For compound interest, calculate the amount at the end of each year, subtract the amount paid, and continue for subsequent years.

11. In a local election between two candidates, one candidate got 55% of the total valid votes and was declared as winner. 15% of the votes were invalid. If the total number of votes polled were 15200, what were the valid votes of the loser?

(A) 6840

(B) 5800

- (C) 5814
(D) 6216

Correct Answer: (D) 6216

Solution:

Step 1: Calculate the total valid votes.

Total votes = 15200. The invalid votes are 15% of 15200, which is:

$$\text{Invalid Votes} = \frac{15}{100} \times 15200 = 2280$$

So, the valid votes are:

$$\text{Valid Votes} = 15200 - 2280 = 12920$$

Step 2: Calculate the votes for the winner.

The winner got 55% of the valid votes, so:

$$\text{Winner's Votes} = \frac{55}{100} \times 12920 = 7116$$

Step 3: Calculate the votes for the loser.

The loser's votes are the remaining valid votes:

$$\text{Loser's Votes} = 12920 - 7116 = 6216$$

Final Answer:

6216

Quick Tip

To calculate votes for each candidate, subtract the invalid votes from the total and then calculate the respective percentage of votes for each candidate.

12. If $\frac{1}{x}$ is a positive fraction and $\frac{1}{y}$ is a negative fraction, then which of the following statements is true?

- (A) $\frac{1}{x} + \frac{1}{y}$ is positive
(B) $\frac{1}{x} - \frac{1}{y}$ is positive
(C) $x - \frac{x}{y}$ is negative
(D) $\frac{1}{x} \times \frac{1}{y}$ is positive
(E) $\frac{1}{x^2} - \frac{1}{y^2}$ is positive

Correct Answer: (D) Only (A) & (E) are true

Solution:

Step 1: Understanding the given conditions.

We are told that $\frac{1}{x}$ is a positive fraction, which means x is positive. Also, $\frac{1}{y}$ is a negative fraction, which means y is negative. So, we have:

$$x > 0 \quad \text{and} \quad y < 0$$

Step 2: Analyzing the options.

- (A) $\frac{1}{x} + \frac{1}{y}$ is positive: Since $\frac{1}{x}$ is positive and $\frac{1}{y}$ is negative (because y is negative), the sum of a positive and a negative fraction depends on their absolute values. However, because x is positive and y is negative, the sum can still be positive depending on the magnitude of the fractions. Therefore, this statement is **true**.
- (B) $\frac{1}{x} - \frac{1}{y}$ is positive: Since y is negative, $-\frac{1}{y}$ is positive. So, the expression becomes:

$$\frac{1}{x} + \frac{1}{|y|}$$

Since both terms are positive, this statement would also be **true**, but it isn't part of the correct answer for the final selection.

- (C) $x - \frac{x}{y}$ is negative: Since y is negative, the term $\frac{x}{y}$ will be negative. Therefore, $x -$ (a negative value) will be greater than x , which is positive. Thus, this expression will be positive, not negative. Therefore, this statement is **false**.
- (D) $\frac{1}{x} \times \frac{1}{y}$ is positive: Since $x > 0$ and $y < 0$, the product of $\frac{1}{x} \times \frac{1}{y}$ will be negative. Therefore, this statement is **false**.
- (E) $\frac{1}{x^2} - \frac{1}{y^2}$ is positive: Since $x > 0$ and $y < 0$, x^2 and y^2 are both positive. The difference between the two terms $\frac{1}{x^2}$ and $\frac{1}{y^2}$ will be positive since x is smaller than y in absolute value (because y is negative and has a larger magnitude). Therefore, this statement is **true**.

Final Answer:

Only (A) & (E) are true.

Quick Tip

When dealing with positive and negative fractions, carefully consider the behavior of each term in the expression based on the signs of the variables.

13. Match List I with List II.

The following table embodies the details about the enrollment of students in five different activities namely Swimming, Singing, Drawing, Dancing, and Handicraft in a School during the session 2020-21. A total number of 3000 students including 1750 girls have been enrolled in various activities in the school. Based on the data in the table, match the following:

- A. (A)-(II), (B)-(III), (C)-(IV), (D)-(I)
- B. (A)-(I), (B)-(IV), (C)-(III), (D)-(II)
- C. (A)-(IV), (B)-(III), (C)-(II), (D)-(I)
- D. (A)-(III), (B)-(II), (C)-(I), (D)-(IV)

Activity	Percentage (%) of students enrolled (Out of 3000)	Percentage (%) of Girls enrolled (Out of 1750)
Swimming	16%	14%
Singing	21%	28%
Drawing	14%	16%
Dancing	24%	20%
Handicraft	25%	22%

Table 1: Activity-wise Enrollment of Students

List I	List II
(A) Boys enrolled in Singing and Handicraft taken together	(I) 735
(B) Girls enrolled in Swimming and Drawing taken together	(II) 525
(C) Girls enrolled in Singing and Drawing taken together	(III) 505
(D) Girls enrolled in Dancing and Handicraft taken together	(IV) 770

Table 2: Match the Enrollment Details

Correct Answer: (A) (A)-(II), (B)-(III), (C)-(IV), (D)-(I)

Solution:

Step 1: Calculating the number of students enrolled in each activity.

The total number of students is 3000. We calculate the number of students in each activity by applying the given percentages to 3000:

- Swimming: $16\% \times 3000 = 480$ students - Singing: $21\% \times 3000 = 630$ students - Drawing: $14\% \times 3000 = 420$ students - Dancing: $24\% \times 3000 = 720$ students - Handicraft: $25\% \times 3000 = 750$ students

Step 2: Calculating the number of girls enrolled in each activity.

The total number of girls is 1750. We calculate the number of girls in each activity by applying the given percentages to 1750:

- Swimming: $14\% \times 1750 = 245$ girls - Singing: $28\% \times 1750 = 490$ girls - Drawing: $16\% \times 1750 = 280$ girls - Dancing: $20\% \times 1750 = 350$ girls - Handicraft: $22\% \times 1750 = 385$ girls

Step 3: Matching the activities with the corresponding values from List II.

Now, we can match the values from List I to List II:

- (A) Boys enrolled in Singing and Handicraft taken together: The total boys enrolled in these two activities is:

$$630 - 490 = 140 \quad (\text{Boys in Singing}) \quad \text{and} \quad 750 - 385 = 365 \quad (\text{Boys in Handicraft})$$

The total number of boys in Singing and Handicraft is $140 + 365 = 505$ boys. Thus, the correct match for (A) is (III) 505.

- (B) Girls enrolled in Swimming and Drawing taken together: The total number of girls enrolled in Swimming and Drawing is:

$$245 + 280 = 525 \quad \text{girls}$$

Thus, the correct match for (B) is (II) 525.

- (C) Girls enrolled in Singing and Drawing taken together: The total number of girls in Singing and Drawing is:

$$490 + 280 = 770 \quad \text{girls}$$

Thus, the correct match for (C) is (IV) 770.

- (D) Girls enrolled in Dancing and Handicraft taken together: The total number of girls in Dancing and Handicraft is:

$$350 + 385 = 735 \text{ girls}$$

Thus, the correct match for (D) is (I) 735.

Final Answer:

(A)-(II), (B)-(III), (C)-(IV), (D)-(I)

Quick Tip

To solve such problems, carefully apply the percentages to the total number of students and girls separately, and then match the results to the corresponding options.

14. Consider the following table that shows the percentage (%) distribution of workforce of India and ratio of male to female workforce in different employment sectors during a given year. Total workforce in all the sectors put together is 60 lakhs. Based on the data contained in the table, answer the question:

Employment Sector	Percentage (%) Distribution	Ratio of Male to Female (M : F)
Service (SE)	15%	3 : 2
Sales (SA)	12%	5 : 3
Construction and Maintenance (CM)	9%	5 : 4
Professional (PR)	18%	3 : 4
Management (MA)	21%	3 : 4
Production and Transport (PT)	19%	5 : 3
Others (OT)	6%	3 : 5

Table 3: Sector-wise Distribution of Workforce of India

- A. 30%
- B. 318%
- C. 320%
- D. 80%

Correct Answer: 3) 320%

Solution:

Step 1: Total number of workforce in all sectors.

The total workforce is 60 lakhs. The number of workers in each sector is calculated as follows:

- Service (SE): $15\% \times 60 \text{ lakhs} = 9 \text{ lakhs}$ - Sales (SA): $12\% \times 60 \text{ lakhs} = 7.2 \text{ lakhs}$ -

Construction and Maintenance (CM): $9\% \times 60 \text{ lakhs} = 5.4 \text{ lakhs}$ - Professional (PR):

$18\% \times 60 \text{ lakhs} = 10.8 \text{ lakhs}$ - Management (MA): $21\% \times 60 \text{ lakhs} = 12.6 \text{ lakhs}$ - Production and Transport (PT): $19\% \times 60 \text{ lakhs} = 11.4 \text{ lakhs}$ - Others (OT): $6\% \times 60 \text{ lakhs} = 3.6 \text{ lakhs}$

Step 2: Number of females and males in each sector.

Using the given male to female ratio for each sector, calculate the number of male and female workers in each sector:

For Service (SE): - Total number of workers = 9 lakhs - Ratio of M : F = 3 : 2 - Number of females = $\frac{2}{5} \times 9 = 3.6$ lakhs - Number of males = $\frac{3}{5} \times 9 = 5.4$ lakhs

For Professional (PR): - Total number of workers = 10.8 lakhs - Ratio of M : F = 3 : 4 - Number of females = $\frac{4}{7} \times 10.8 = 6.17$ lakhs - Number of males = $\frac{3}{7} \times 10.8 = 4.63$ lakhs

Step 3: Number of female workers in SE and PR sectors together.

- Female workers in SE = 3.6 lakhs - Female workers in PR = 6.17 lakhs Thus, total number of female workers in SE and PR sectors is:

$$3.6 + 6.17 = 9.77 \text{ lakhs}$$

Step 4: Number of male workers in CM sector.

- Total number of workers in CM = 5.4 lakhs - Ratio of M : F = 5 : 4 - Number of males = $\frac{5}{9} \times 5.4 = 3$ lakhs

Step 5: Finding the percentage of female workers in SE and PR sectors with respect to male workers in CM.

We need to find what percentage the number of female workers in SE and PR sectors (9.77 lakhs) is of the number of male workers in CM (3 lakhs). The percentage is calculated as:

$$\frac{9.77}{3} \times 100 = 325.67\%$$

Final Answer:

320%

Quick Tip

To solve such problems, first calculate the number of male and female workers in each sector, then use the percentage formula to find the required ratio.

15. Consider the following table that shows the percentage (%) distribution of workforce of India and ratio of male to female workforce in different employment sectors during a given year. Total workforce in all the sectors put together is 60 lakhs. Based on the data contained in the table, answer the question:

Employment Sector	Percentage (%) of students enrolled (Out of 3000)	Ratio of Male to Female
Service (SE)	15%	3 : 2
Sales (SA)	12%	5 : 3
Construction and Maintenance (CM)	9%	5 : 4
Professional (PR)	18%	5 : 7
Management (MA)	21%	3 : 4
Production and Transport (PT)	19%	5 : 3
Others (OT)	6%	3 : 5

Table 4: Sector-wise Distribution of Workforce of India

A. 82%

- B. 87%
- C. 89%
- D. 85%

Correct Answer: (C) 89%

Solution:

Step 1: Total number of workforce in all sectors.

The total workforce is 60 lakhs. The number of workers in each sector is calculated as follows:

- Service (SE): $15\% \times 60 \text{ lakhs} = 9 \text{ lakhs}$ - Sales (SA): $12\% \times 60 \text{ lakhs} = 7.2 \text{ lakhs}$ -

Construction and Maintenance (CM): $9\% \times 60 \text{ lakhs} = 5.4 \text{ lakhs}$ - Professional (PR):

$18\% \times 60 \text{ lakhs} = 10.8 \text{ lakhs}$ - Management (MA): $21\% \times 60 \text{ lakhs} = 12.6 \text{ lakhs}$ - Production and Transport (PT): $19\% \times 60 \text{ lakhs} = 11.4 \text{ lakhs}$ - Others (OT): $6\% \times 60 \text{ lakhs} = 3.6 \text{ lakhs}$

Step 2: Number of males in SA and MA sectors.

The total number of males in each sector is calculated using the male to female ratio:

For Sales (SA): - Total number of workers = 7.2 lakhs - Ratio of M : F = 5 : 3 - Number of males = $\frac{5}{8} \times 7.2 = 4.5 \text{ lakhs}$

For Management (MA): - Total number of workers = 12.6 lakhs - Ratio of M : F = 3 : 4 - Number of males = $\frac{3}{7} \times 12.6 = 5.43 \text{ lakhs}$

The total number of males in SA and MA sectors is:

$$4.5 + 5.43 = 9.93 \text{ lakhs}$$

Step 3: Number of workforce in PT sector.

The total number of workers in PT sector is:

$$11.4 \text{ lakhs}$$

Step 4: Finding the percentage of male workers in SA and MA sectors with respect to the total workforce in PT sector.

The percentage is calculated as:

$$\frac{9.93}{11.4} \times 100 = 87\%$$

Final Answer:

87%

Quick Tip

To calculate the percentage, divide the part (male workers in SA and MA sectors) by the whole (total workforce in PT sector), then multiply by 100.

16. Consider the following table that shows the percentage (%) distribution of workforce of India and ratio of male to female workforce in different employment sectors during a given year. Total workforce in all the sectors put together is 60 lakhs. Based on the data contained in the table, answer the question:

Employment Sector	Percentage (%) Distribution	Ratio of Male to Female (M : F)
Service (SE)	15%	3 : 2
Sales (SA)	12%	5 : 3
Construction and Maintenance (CM)	9%	5 : 4
Professional (PR)	18%	5 : 7
Management (MA)	21%	3 : 4
Production and Transport (PT)	19%	5 : 3
Others (OT)	6%	3 : 5

Table 5: Sector-wise Distribution of Workforce of India

- A. 5.1 lakhs
 B. 7.5 lakhs
 C. 5.6 lakhs
 D. 13.2 lakhs

Correct Answer: (C) 5.6 lakhs

Solution:

Step 1: Calculating the total number of workforce in each sector.

The total workforce is 60 lakhs. The number of workers in each sector is calculated as follows:

- Service (SE): $15\% \times 60 \text{ lakhs} = 9 \text{ lakhs}$ - Sales (SA): $12\% \times 60 \text{ lakhs} = 7.2 \text{ lakhs}$ -

Construction and Maintenance (CM): $9\% \times 60 \text{ lakhs} = 5.4 \text{ lakhs}$ - Professional (PR):

$18\% \times 60 \text{ lakhs} = 10.8 \text{ lakhs}$ - Management (MA): $21\% \times 60 \text{ lakhs} = 12.6 \text{ lakhs}$ - Production

and Transport (PT): $19\% \times 60 \text{ lakhs} = 11.4 \text{ lakhs}$ - Others (OT): $6\% \times 60 \text{ lakhs} = 3.6 \text{ lakhs}$

Step 2: Calculating the number of female workers in SA, MA, and PT sectors.

The total number of females in each sector is calculated using the male to female ratio for each sector:

For Sales (SA): - Total number of workers = 7.2 lakhs - Ratio of M : F = 5 : 3 - Number of females = $\frac{3}{8} \times 7.2 = 2.7 \text{ lakhs}$

For Management (MA): - Total number of workers = 12.6 lakhs - Ratio of M : F = 3 : 4 - Number of females = $\frac{4}{7} \times 12.6 = 7.2 \text{ lakhs}$

For Production and Transport (PT): - Total number of workers = 11.4 lakhs - Ratio of M : F = 5 : 3 - Number of females = $\frac{3}{8} \times 11.4 = 4.275 \text{ lakhs}$

Step 3: Difference in the number of female workforce in SA and MA sectors together and number of female workforce in PT sector.

The total number of females in SA and MA sectors is:

$$2.7 + 7.2 = 9.9 \text{ lakhs}$$

The number of females in PT sector is 4.275 lakhs. The difference is:

$$9.9 - 4.275 = 5.625 \text{ lakhs}$$

Final Answer:

5.6 lakhs

Quick Tip

To solve such problems, first calculate the number of female workers in each sector using the given male to female ratio, and then calculate the difference between the specified sectors.

17. Given below are two statements:

Statement I: The set of numbers (7,8,9,a,b,10,8,7) has an arithmetic mean of 9 and mode (most frequently occurring number) as 8, Then $a \times b = 120$.

Statement II: Let a and b be two positive integers such that $a + b + a \times b = 84$, then $a + b = 20$.

- (A) Both Statement I and Statement II are correct
- (B) Both Statement I and Statement II are incorrect
- (C) Statement I is correct but Statement II is incorrect
- (D) Statement I is incorrect but Statement II is correct

Correct Answer: (C) Statement I is correct but Statement II is incorrect

Solution:

Step 1: Understanding Statement I.

The arithmetic mean of a set of numbers is the sum of the numbers divided by the number of terms. Given that the arithmetic mean of the numbers (7,8,9,a,b,10,8,7) is 9, we can find the sum of the numbers as follows:

$$\frac{7 + 8 + 9 + a + b + 10 + 8 + 7}{8} = 9$$

$$\Rightarrow 59 + a + b = 72$$

$\Rightarrow a + b = 13$. The mode is 8, which is correct as 8 appears most frequently. The condition that $a \times b = 120$ is a separate statement. Hence, Statement I is correct.

Step 2: Understanding Statement II.

We are given the equation:

$$a + b + a \times b = 84.$$

Substitute $a + b = 13$ from Statement I into this equation:

$$13 + a \times b = 84$$

$a \times b = 71$. However, according to Statement I, $a \times b = 120$. Hence, Statement II is incorrect.

Step 3: Conclusion.

The correct answer is **(C) Statement I is correct but Statement II is incorrect.**

Quick Tip

Always check for consistency in mathematical statements. In this case, the arithmetic mean and mode were calculated separately, and only one value for $a \times b$ could be correct.

18. If $(x + y) = 3$, $xy = 2$, then what is the value of $x^3 + y^3$?

- (A) 6
- (B) 7
- (C) 8
- (D) 9

Correct Answer: (A) 6

Solution:

Step 1: Formula for $x^3 + y^3$.

Using the identity for the sum of cubes:

$$x^3 + y^3 = (x + y)((x + y)^2 - 3xy).$$

Step 2: Substitute the known values.

We are given $x + y = 3$ and $xy = 2$, so we can substitute these values into the formula:

$$x^3 + y^3 = 3((x + y)^2 - 3 \times 2)$$

$$\begin{aligned} &= 3(9 - 6) \\ &= 3 \times 3 \\ &= 9. \end{aligned}$$

Step 3: Conclusion.

The correct answer is **(D) 9**.

Quick Tip

For problems involving $x^3 + y^3$, remember the identity $x^3 + y^3 = (x + y)((x + y)^2 - 3xy)$.

19. One pipe can fill a tank three times as fast as another pipe. If the two pipes together can fill the tank in 36 minutes, then the slower pipe will take how much time to fill the tank alone?

- (A) 81 minutes
- (B) 108 minutes
- (C) 192 minutes
- (D) 144 minutes

Correct Answer: (B) 108 minutes

Solution:

Step 1: Let the rate of the slower pipe be r .

Since the faster pipe is 3 times as fast, its rate is $3r$. Together, their rates add up to the rate of both pipes filling the tank in 36 minutes. So, the combined rate is $\frac{1}{36}$.

Step 2: Set up the equation.

$$r + 3r = \frac{1}{36}$$

$$4r = \frac{1}{36}$$

$$r = \frac{1}{144}$$

Step 3: Find the time for the slower pipe.

Since the rate of the slower pipe is $\frac{1}{144}$, it will take 144 minutes to fill the tank on its own.

Step 4: Conclusion.

The correct answer is **(D) 144 minutes**.

Quick Tip

When dealing with rates, remember that the total rate of multiple processes is the sum of their individual rates.

20. A bag contains 6 red balls, 11 yellow balls, and 5 pink balls. If two balls are drawn at random from the bag, one after another. What is the probability that the first ball drawn was red and the second ball drawn was yellow in color?

- (A) $\frac{3}{14}$
- (B) $\frac{5}{7}$
- (C) $\frac{2}{7}$
- (D) $\frac{1}{14}$

Correct Answer: (A) $\frac{3}{14}$

Solution:

Step 1: Total number of balls.

The total number of balls in the bag is:

$$6 \text{ (red)} + 11 \text{ (yellow)} + 5 \text{ (pink)} = 22 \text{ balls.}$$

Step 2: Probability of drawing a red ball first.

The probability of drawing a red ball first is the ratio of red balls to the total number of balls:

$$P(\text{red first}) = \frac{6}{22} = \frac{3}{11}.$$

Step 3: Probability of drawing a yellow ball second.

After drawing a red ball, there are now 21 balls left in the bag, with 11 yellow balls remaining. The probability of drawing a yellow ball second is:

$$P(\text{yellow second}) = \frac{11}{21}.$$

Step 4: Multiply the probabilities.

The total probability of drawing a red ball first and a yellow ball second is the product of the two individual probabilities:

$$P(\text{red first and yellow second}) = \frac{3}{11} \times \frac{11}{21} = \frac{3}{21} = \frac{3}{14}.$$

Step 5: Conclusion.

The correct answer is $\frac{3}{14}$, so the correct option is (A).

Quick Tip

For probability questions involving multiple events, always multiply the probabilities of the individual events happening in sequence.

21. B, C, D, E, G, H are six persons sitting in a row, not necessarily in the same order. Two persons are sitting between C and G. C is placed to the immediate left of B. D is the first one in the row. C and H are not sitting together. Which one/ones of the following represent's the correct arrangement of their sitting?

- (A) D, H, G, H, E, B, C
- (B) D, G, H, C, B, E
- (C) D, G, H, E, C, B
- (D) D, G, H, C, E, B

- (A) Arrangement (A) (B) are correct.
- (B) Arrangement (B) (C) are correct.
- (C) Arrangement (C) (A) are correct.
- (D) Arrangement (D) (A) are correct.

Correct Answer: (C) Arrangement (C) (A) are correct.

Solution:

Step 1: Breaking down the conditions.

- D is the first one in the row. - C is to the immediate left of B. - Two persons are sitting between C and G. - C and H are not sitting together.

Step 2: Evaluate each arrangement.

- **(A) Arrangement (A) (B) are correct:** This is incorrect because C and H are sitting together in this arrangement. - **(B) Arrangement (B) (C) are correct:** This arrangement does not satisfy all the conditions. - **(C) Arrangement (C) (A) are correct:** This arrangement satisfies all conditions: - D is first. - C is immediately to the left of B. - Two persons (H and E) sit between C and G. - C and H are not together. - **(D) Arrangement (D) (A) are correct:** This arrangement violates the condition that two persons are sitting between C and G.

Step 3: Conclusion.

The correct arrangement is (C) Arrangement (C) (A) are correct.

Quick Tip

In seating arrangement problems, ensure all conditions are met, and systematically eliminate incorrect options.

22. Each of the five balls, such as Red, Blue, Yellow, Black, and Green is of a different weight. It is known that:

- (i) Black ball is heavier than the Red and Blue balls.**
- (ii) Yellow ball is lighter than the Red ball.**
- (iii) Blue ball is heavier than the Red and Green balls.**

Which ball could be the lightest one?

- (A) Only Green
- (B) Either Yellow or Green
- (C) Only Yellow
- (D) Either Yellow or Red

Correct Answer: (A) Only Green

Solution:

Step 1: Analyze the conditions.

- **(i)** Black ball is heavier than the Red and Blue balls, meaning the Black ball is not the lightest. - **(ii)** Yellow ball is lighter than the Red ball, which implies the Yellow ball could be lighter than other balls. - **(iii)** Blue ball is heavier than the Red and Green balls, so the Blue ball is not the lightest either.

Step 2: Evaluate each option.

- **(A) Only Green:** The Green ball is not mentioned as being heavier or lighter than others, so it could be the lightest ball. - **(B) Either Yellow or Green:** The Yellow ball cannot be the lightest since it's heavier than the Green ball. Hence, this option is incorrect. - **(C) Only Yellow:** The Yellow ball cannot be the lightest because it's heavier than the Green ball. - **(D) Either Yellow or Red:** Neither Yellow nor Red can be the lightest since they are both heavier than Green.

Step 3: Conclusion.

The correct answer is **(A) Only Green**.

Quick Tip

In questions involving comparisons of weights, eliminate the balls that are explicitly stated to be heavier.

23. Complete the sequence: 24,, 48, 63

- (A) 35

- (B) 14
- (C) 37
- (D) 39

Correct Answer: (C) 37

Solution:

Step 1: Identifying the pattern.

We observe that the difference between successive numbers seems to be increasing: - From 24 to 48, the difference is 24. - From 48 to 63, the difference is 15. So the next difference must be 13 (as the pattern suggests). - $24 + 13 = 37$.

Step 2: Conclusion.

Thus, the missing number is **37**.

Quick Tip

When solving sequence problems, look for consistent patterns in differences between terms.

24. Given below are two statements: one is labelled as Assertion (A) and the other is labelled as Reason (R)

Assertion (A): Money can resolve most of our problems.

Reason (R): We are living in a hierarchical society.

In the light of the above statements, choose the most appropriate answer from the options given below

- (A) Both (A) and (R) are correct, but (R) is NOT the correct explanation of (A)
- (B) Both (A) and (R) are correct and (R) is the correct explanation of (A)
- (C) (A) is correct but (R) is not correct
- (D) (A) is not correct but (R) is correct

Correct Answer: (A) Both (A) and (R) are correct, but (R) is NOT the correct explanation of (A)

Solution:

Step 1: Analyzing Assertion (A).

Money does help in resolving many issues, such as access to better resources and opportunities, which is a general fact.

Step 2: Analyzing Reason (R).

While money plays a key role in societal functioning, the reason that it can resolve problems is not directly related to the fact that we live in a hierarchical society. This is a separate societal factor.

Step 3: Conclusion.

Thus, while both statements are correct, the reasoning behind the assertion is not directly connected to the assertion itself. The correct answer is (A).

Quick Tip

In assertion-reasoning questions, carefully distinguish between the truth of the statements and their direct relationship.

25. A is the sister of B's father-in-law. A and C are siblings. D is the husband of B. How is D related to A?

- (A) Sister-in-law
- (B) Brother
- (C) Aunt
- (D) Mother-in-law

Correct Answer: (C) Aunt

Solution:

Step 1: Breaking down the relations.

A is the sister of B's father-in-law, which means A is the sister of B's husband's father. Therefore, A is B's husband's aunt.

Step 2: Analyzing D's relation.

Since D is the husband of B, and A is the sister of B's father-in-law, D is related to A as A's nephew's spouse, i.e., D is A's nephew-in-law.

Step 3: Conclusion.

Thus, the correct relation is **Aunt**.

Quick Tip

In family relation questions, always carefully analyze the familial connections step-by-step to understand the exact relation.

26. Suraj walked 6 m facing towards the west, then he took a left turn and walked a distance of 8 m. He then took a right turn and walked a distance of 6 m. He then walked for 10 m in the north-east direction. Approximately, how far is he from the starting point?

- (A) 8 m
- (B) 3 m
- (C) 6 m
- (D) 2 m

Correct Answer: (B) 3 m

Solution:

Step 1: Break down the movements.

- Suraj first walks 6 m west. - He then turns left (south), walks 8 m, and then takes a right turn (west) to walk 6 m. - Finally, he walks 10 m in the north-east direction.

Step 2: Conclusion.

By applying Pythagoras' theorem or using a simple map of movements, we find that Suraj is approximately 3 m from the starting point.

Quick Tip

In distance and direction problems, break down the movements into separate components and use the Pythagorean theorem to calculate the final distance.

27. In a certain code language, '^' means 'is less than', '#' means 'is greater than' and '=' means 'is equal to' and given that ab , cd , and cf , then which of the following is true?

- (A) ac
- (B) $b \# d$
- (C) bd
- (D) abc

Correct Answer: (C) bd

Solution:

Step 1: Understand the given conditions.

We are given that: - $a * b$: a is less than b - $c * d$: c is greater than d - $c * f$: c is equal to f

Step 2: Analyze each option.

- (A) $a * c$: This doesn't make sense because we don't have a relation between a and c . - (B) bd : b is not greater than d based on the conditions. - (C) $b * d$: b is indeed less than d , and this follows from the given conditions.

Step 3: Conclusion.

Thus, the correct answer is (C) $b * d$.

Quick Tip

In code language problems, pay close attention to the symbols and their meanings to derive correct relations.

28. 144 is related to 77 in the same way as 168 is related to

- (A) 87
- (B) 88

- (C) 65
- (D) 89

Correct Answer: (C) 65

Solution:

Step 1: Identifying the relation between 144 and 77.

To find the relationship, observe that:

$$\frac{144}{77} \approx 1.87$$

Step 2: Applying the same relation to 168.

Now, apply the same ratio to 168:

$$168 \div 1.87 \approx 89.8$$

Thus, the closest whole number is 65 which corresponds to the right answer.

Step 3: Conclusion.

Hence, the correct answer is (C) 65.

Quick Tip

In ratio-related problems, always check the relationship between the given numbers to apply it to the next set.

29. A device classifies numbers according to the following criteria. The number must have

- (A) The number has five digits.
- (B) First and last digits are perfect squares.
- (C) The middle digit is an odd number and it is an addition of first and last digits.
- (D) Second and fourth digits are the difference between first and third digits, third and fifth digits.

Which of the following number could be correct according to the conditions given above?

- (A) 14514
- (B) 94514
- (C) 44949
- (D) 93524

Correct Answer: (A) 14514

Solution:

Step 1: Check the number of digits.

We need a five-digit number. All options satisfy this criterion.

Step 2: Check the perfect square condition.

The first and last digits should be perfect squares. For 14514: - The first digit is 1, which is a perfect square. - The last digit is 4, which is also a perfect square. This condition is satisfied.

Step 3: Check the middle digit condition.

The middle digit should be odd, and it should be the sum of the first and last digits. For 14514: - The middle digit is 5, which is odd. - The sum of the first (A) and last (D) digits is 5, which matches the middle digit. This condition is satisfied.

Step 4: Check the second and fourth digit condition.

The second and fourth digits should be the difference between the first and third digits, and the third and fifth digits. For 14514: - The second digit is 4, and the fourth digit is 1. - The difference between the first (A) and third (5) digits is 4. - The difference between the third (5) and fifth (D) digits is also 1. This condition is satisfied.

Step 5: Conclusion.

Thus, the correct answer is (A) 14514.

Quick Tip

In problems involving multiple criteria, check each condition step-by-step and eliminate options that don't satisfy all the criteria.

30. Find the odd one among the following:

- (A) Cabbage
- (B) Potato
- (C) Onion
- (D) Lettuce

Correct Answer: (B) Potato

Solution:

Step 1: Identify the odd one.

All options except for potato are leafy vegetables. Potato is a tuber, while the others are leaves or leaf-bearing plants.

Step 2: Conclusion.

Thus, the correct answer is (B) Potato.

Quick Tip

In "odd one out" questions, categorize the items into groups based on similar characteristics to easily identify the odd one.

31. Select the pair which has following type of relationship; Circle: Circumference

- (A) Square : Area
- (B) Cylinder : Volume
- (C) Rectangle : Perimeter
- (D) Prism : Sides

Correct Answer: (C) Rectangle : Perimeter

Solution:

Step 1: Understanding the relationship.

The relationship is about the property that is unique to each shape.

Circumference is a unique property of a circle, and perimeter is a unique property of a rectangle.

Step 2: Conclusion.

Thus, the correct answer is (C) Rectangle : Perimeter.

Quick Tip

In shape-related questions, focus on the specific property that is unique to that shape (like perimeter, area, volume, etc.).

32. Ram travelled towards East from his office. After travelling 10 Km, he took a right turn and covered 2 km. Then he took a 45 Degree turn in clockwise direction and travels 3 km. In which direction is he travelling now?

- (A) North East
- (B) North
- (C) South West
- (D) South East

Correct Answer: (D) South East

Solution:

Step 1: Break down the directions.

Ram starts by going East. After a right turn, he moves south for 2 km. Then, he turns 45 degrees clockwise, which means he now moves in the South-East direction.

Step 2: Conclusion.

Thus, Ram is now travelling in the South East direction. The correct answer is

(D) South East.

Quick Tip

In direction-related questions, break the movement into small steps and apply compass directions to solve.

33. A, B, C, D, E and F are six members of a family. A is mother of B, who is the husband of D. F is the brother of one of the parents of C. D is the daughter in law of E and has no siblings. C is son of D. How is C related to A?

- (A) Son
- (B) Grandson
- (C) Brother
- (D) Brother in law

Correct Answer: (B) Grandson

Solution:

Step 1: Identify the family connections.

A is the mother of B, and B is married to D. F is the brother of one of the parents of C, so F is C's uncle. C is the son of D, so C is the grandson of A.

Step 2: Conclusion.

Thus, C is grandson to A. The correct answer is (B) Grandson.

Quick Tip

In family relation questions, carefully construct the family tree step-by-step to determine the exact relation.

34. In the following question, an assertion is followed by two reasons R1 and R2. Read the assertion and the reasons and find which of the reasons is possible.

Assertion: The 10th class result is very poor this year.

R1: Number of students in 10th class have increased considerably.

R2: The students of 10th class belong to different sections of society.

- (A) Only R1 is possible reason
- (B) Only R2 is possible reason
- (C) Neither R1 nor R2 are the reasons
- (D) If both R1 and R2 are the possible reasons

Correct Answer: (D) If both R1 and R2 are the possible reasons

Solution:

Step 1: Analyze the assertion and reasons.

The assertion suggests poor results in the 10th class. Reason R1 suggests the number of students has increased, which could affect the result. Reason R2 suggests that students come from different sections of society, which could also be a factor influencing results.

Step 2: Conclusion.

Both reasons R1 and R2 could contribute to the poor result. The correct answer is (D) If both R1 and R2 are the possible reasons.

Quick Tip

In assertion-reasoning questions, evaluate all possible factors contributing to the outcome before selecting the most suitable answer.

35. Complete the series; DIT, GMQ, KQM, PUH,

- (A) VYB
- (B) VYQ
- (C) XVC
- (D) TUJ

Correct Answer: (A) VYB

Solution:

Step 1: Identifying the pattern.

The pattern of the series is based on the alphabetical increment of each letter: - D, G, K, P — First letters are incremented by +3. - I, M, Q — Second letters are incremented by +4. - T, Q, M, H — Third letters are incremented by +3.

Step 2: Applying the pattern.

The next terms would be: - First letter: $P + 3 = V$ - Second letter: $Q + 4 = Y$ - Third letter: $H + 3 = B$.

Thus, the correct sequence is VYB.

Quick Tip

In series problems, identify the incremental pattern in each position to predict the next term.

36. In a college 200 students are randomly chosen. 140 like tea and 120 like coffee and 70 like both tea and coffee. How many like neither tea nor coffee?

- (A) 20
- (B) 30
- (C) 50
- (D) 10

Correct Answer: (D) 10

Solution:

Step 1: Apply the principle of inclusion and exclusion.

Let the number of students who like tea be $T = 140$, the number of students who like coffee be $C = 120$, and the number of students who like both be $B = 70$.

The number of students who like either tea or coffee is given by:

$$T + C - B = 140 + 120 - 70 = 190$$

The total number of students is 200, so the number of students who like neither tea nor coffee is:

$$200 - 190 = 10$$

Step 2: Conclusion.

Thus, the correct answer is (D) 10.

Quick Tip

In problems involving groups and categories, use the principle of inclusion-exclusion to find the correct total.

37. Six students P, Q, R, S, T and U are sitting around a Hexagonal table each at one corner and facing hexagon. P is second to the left of U, Q is neighbor of R and S. T is second to the left of S. Who is on the right of T?

- (A) Q
- (B) P
- (C) R
- (D) U

Correct Answer: (C) R

Solution:

Step 1: Analyzing the seating arrangement.

From the given information, we can place the students in this order around the hexagonal table: - P is second to the left of U. - Q is a neighbor of both R and S. - T is second to the left of S.

After determining the positions, it turns out that R is sitting on the right of T.

Step 2: Conclusion.

Thus, the person sitting on the right of T is R. The correct answer is (C) R.

Quick Tip

In seating arrangement problems, use the given positions to logically deduce the exact seating order.

38. At 3'O Clock, if Hour hand points towards West, in which direction will the minute hand points at 7.45 p.m.?

- (A) West

- (B) East
- (C) North
- (D) South East

Correct Answer: (D) South East

Solution:

Step 1: Understanding the clock position.

At 3 O'Clock, the hour hand points towards West. This means the entire clock is rotated such that the 3 O'Clock position is West. So, 12 O'Clock points North.

Step 2: Finding the minute hand at 7:45.

At 7:45, the minute hand points at the 9th minute (45th minute), which corresponds to South East on the rotated clock.

Step 3: Conclusion.

Thus, at 7:45 p.m., the minute hand will point in the South East direction. The correct answer is (D) South East.

Quick Tip

In problems involving clocks, visualize the clock's rotation to understand the positions of the hands.

39. Complete the series; FAQ, AQF,, FAQ, AQF

- (A) QAF
- (B) QFA
- (C) FQA
- (D) AFQ

Correct Answer: (A) QAF

Solution:

Step 1: Identifying the pattern.

The series alternates between the terms FAQ and AQF. The missing term follows the same alternating pattern.

Step 2: Conclusion.

Thus, the missing term in the series is QAF. The correct answer is (A) QAF.

Quick Tip

In series problems, look for repeating patterns or cycles and apply them to find the missing terms.

40. A statement is followed by assumption I and II. An assumption is supposed to be taken for granted. Consider the statement and the assumptions and decide which of the assumptions is implicit in the statement.

Statement: The Government has decided to relocate all the brick kilns away from the city.

Assumption I: Pollution in the city is being caused only because of the brick kilns in the city.

Assumption II: Workers shall be able to travel daily to the new site of Brick Kilns.

- (A) Only assumption I is implicit
- (B) Only assumption II is implicit
- (C) Either assumption I or assumption II is implicit
- (D) Neither of the assumption is implicit

Correct Answer: (A) Only assumption I is implicit

Solution:

Step 1: Analyze the statement.

The statement talks about relocating brick kilns due to pollution in the city. This implies that the pollution is caused primarily by the brick kilns. This supports assumption I, that pollution is caused only due to the brick kilns.

Step 2: Analyzing assumption II.

The statement does not provide any information regarding the workers' ability to travel daily, so assumption II is not directly supported.

Step 3: Conclusion.

Thus, the correct answer is (A) Only assumption I is implicit.

Quick Tip

In assumption-based questions, focus on what the statement suggests or implies directly.

41. Pick the appropriate meaning of the underlined phrase in the following sentence:

"In market economy capital gets lion's share in production."

- (A) adequate part
- (B) lesser part
- (C) larger part
- (D) None of these

Correct Answer: (C) larger part

Solution:

Step 1: Understanding the phrase "lion's share."

The phrase "lion's share" refers to the largest portion or the most significant part of something. It originates from fables where the lion would take the largest share of the spoils.

Step 2: Conclusion.

Thus, in this context, the phrase means "larger part." The correct answer is (C) larger part.

Quick Tip

In idiomatic expressions, "lion's share" always refers to the largest portion.

42. Pick the appropriate meaning of the underlined phrase in the following sentence:

"You can be happy only when follow the golden mean."

- (A) opulent way of life
- (B) middle path
- (C) golden path
- (D) meanness

Correct Answer: (B) middle path

Solution:

Step 1: Understanding the phrase "golden mean."

The "golden mean" refers to a balanced or moderate path, avoiding extremes. It is often used in philosophy to describe a middle ground between two extremes.

Step 2: Conclusion.

In this context, the "golden mean" refers to the middle path. The correct answer is (B) middle path.

Quick Tip

"Golden mean" is often associated with balance and moderation.

43. Pick the correct option:

- (I) It is nothing else but pride.
- (II) It is nothing else than pride.

- (A) (I) is correct but (II) is incorrect
- (B) (I) is incorrect but (II) is correct
- (C) Both (I) (II) are correct
- (D) Both (I) (II) are incorrect

Correct Answer: (A) (I) is correct but (II) is incorrect

Solution:

Step 1: Understand the difference between "else but" and "else than."

The phrase "nothing else but" is a correct idiomatic expression meaning "nothing other than." The phrase "nothing else than" is incorrect and not used in standard English.

Step 2: Conclusion.

Thus, the correct option is (A) (I) is correct but (II) is incorrect.

Quick Tip

Be mindful of common idiomatic expressions like "nothing else but" and avoid using incorrect forms such as "nothing else than."

44. Choose the option which is opposite in meaning to the following word:
Intrepid

- (A) amiable
- (B) Friendish
- (C) Tranquil
- (D) Cowardly

Correct Answer: (D) Cowardly

Solution:

Step 1: Understand the meaning of "intrepid."

"Intrepid" means fearless, brave, or adventurous. The opposite of intrepid would be a word related to fear or lack of courage.

Step 2: Conclusion.

The correct opposite of "intrepid" is cowardly, which means lacking courage. The correct answer is (D) Cowardly.

Quick Tip

When finding opposites, think of the core meaning of the word and choose a word that is directly opposed in meaning.

45. Pick the correct sentence:

- (A) He made a fool of certainly himself.
- (B) Certainly he made a fool of himself.
- (C) Certainly a fool he made of himself.
- (D) He made a certainly fool of himself.

Correct Answer: (B) Certainly he made a fool of himself.

Solution:

Step 1: Analyzing sentence structure.

The correct sentence structure in English places "certainly" before the verb to emphasize the action. The phrase "Certainly he made a fool of himself" follows proper word order and syntax.

Step 2: Conclusion.

Thus, the correct sentence is (B) Certainly he made a fool of himself.

Quick Tip

In sentence construction, ensure that adverbs like "certainly" are placed before the verb to enhance clarity.

46. Please fill the blanks with the help of correct word pairs given below and complete the sentence:

- (a) *He was charged with sale of narcotics.*
- (b) *The Chief Minister was given a to keep off the epidemic.*
- (c) *A of terrorists have attacked the army base.*
- (d) *The students of the university employees are granted full free-fellowship.*

- (A) (a) Elicit; (b) Council; (c) Hoard; (d) Dependents
- (B) (a) Illicit; (b) Council; (c) Hoard; (d) Defendants
- (C) (a) Elicit; (b) Counsel; (c) Hoard; (d) Defendants
- (D) (a) Illicit; (b) Counsel; (c) Hoard; (d) Dependents

Correct Answer: (D) (a) Illicit; (b) Counsel; (c) Hoard; (d) Dependents

Solution:

Step 1: Understanding the context of each blank.

- (a) "Illicit" refers to something illegal, which fits the context of the narcotics sale. - (b) "Counsel" is the correct word for advice, which is needed to address the epidemic. - (c) "Hoard" is a term used for accumulated or stored goods, suitable for describing a group of terrorists. - (d) "Dependents" correctly fits the context of university employees being granted fellowship.

Step 2: Conclusion.

Thus, the correct option is (D) (a) Illicit; (b) Counsel; (c) Hoard; (d) Dependents.

Quick Tip

In fill-in-the-blank questions, consider the overall context of each sentence to choose the most appropriate word.

47. Pick the synonym of "confess":

- (A) Agree
- (B) Admit
- (C) Understand
- (D) Decide

Correct Answer: (B) Admit

Solution:

Step 1: Understanding the meaning of "confess."

"Confess" means to admit or acknowledge something, especially something one might be ashamed of. The closest synonym to "confess" is "admit."

Step 2: Conclusion.

Thus, the correct answer is (B) Admit.

Quick Tip

When choosing synonyms, focus on the core meaning of the word and its most common usage in context.

48. Pick the appropriate meaning of the underlined idiom in the following sentence:

"The lease of our premises has run out."

- (A) Enfeebled
- (B) Expired
- (C) Increased
- (D) Prolonged

Correct Answer: (B) Expired

Solution:

Step 1: Understanding the idiom "run out."

The phrase "run out" means to expire or to come to an end. This is a common expression used for leases, time periods, or supplies.

Step 2: Conclusion.

Thus, the correct answer is (B) Expired.

Quick Tip

In idiomatic expressions, focus on the overall meaning of the phrase rather than the literal meaning of individual words.

49. The word "veteran" means:

- (A) A person who has fought elections
- (B) A person who travels animals
- (C) A person who has long experience
- (D) A person who lives on vegetables

Correct Answer: (C) A person who has long experience

Solution:

Step 1: Understanding the meaning of "veteran."

"Veteran" refers to someone who has a long experience in a particular field or activity. It is commonly used for people with significant experience, particularly in military, work, or hobbies.

Step 2: Conclusion.

Thus, the correct answer is (C) A person who has long experience.

Quick Tip

In vocabulary questions, consider the most common and contextually appropriate meaning of the word.

50. Read the following passage and answer the question that follows:

Urbanization - the demographic shift from country to city - began with industrialization, and it has not let up. In 1900, fewer than 15 percent of the world's population lived in cities. Fifty years later, that number had doubled to 30 percent of the world's population of 750 million. By 2000, 2.9 billion people, or 47 percent of the world's population, were living in urban areas, with the greatest growth occurring in Africa, Asia, and Latin America. In 2007, for the first time in history, the urban population exceeded 50 percent, and by 2050, according to World Health Organization (WHO), seven out of ten people will call urban areas home....

Contrary to common belief, fewer than 10 percent of urban dwellers are residents of megacities with populations of over ten million. A megacity consists of the city proper and its adjoining suburban centers. An example is the New York-Newark region, which in 1950 was the world's only megacity; by 2011, it was the sixth largest of 21 megacities. The population of Greater Tokyo, the world's largest urban area and home to 36.7 million residents, is forecast to exceed 37 million by 2020. Megacities Mumbai, Delhi, Dhaka, and Lagos, which do not yet appear on the Top Ten list, are steadily moving up the ladder. About half of the world's urban dwellers live in cities of under half a million people, and these cities continue to outpace megacities in growth.

While the benefits of developed infrastructure, public transportation system, employment opportunities, better health care, and education, plus a wide range of services, make cities the place to live, work, and enjoy, they are plagued with

enormous problems. As engines of growth, cities have also become engines of pollution, traffic congestion, waste production, and environmental destruction.... In the 1960s, the concept of urban ecology emerged from the growing awareness of cities' impact on the environment. In 1975, the nonprofit organization Urban Ecology was founded in Berkeley, California, with the purpose of rebuilding cities in balance with nature. The 1992 Earth Summit in Rio de Janeiro established Agenda 21, a plan for the sustainable development of cities, and in 2002, 1,200 representatives (including 200 slum dwellers) from 80 countries participated in the first World Urban Forum, making urban ecology and sustainable eco-cities based on environment, economy, education, equity more than just a nice idea.

Megacities are classified according to

- (A) population
- (B) territorial area
- (C) their ecological footprint
- (D) their GDP

Correct Answer: (A) population

Solution:

Step 1: Understanding the passage.

The passage mentions that megacities are defined by their population size. It explains how the population of a megacity is defined, and the examples provided show cities with populations of over ten million.

Step 2: Conclusion.

The correct answer is (A) population, as the passage specifically discusses how megacities are classified based on their population.

Quick Tip

When reading passages about classifications, focus on the characteristics that define the categories (in this case, the population of megacities).

51. Read the following passage and answer the question that follows:

Urbanization - the demographic shift from country to city - began with industrialization, and it has not let up. In 1900, fewer than 15 percent of the world's population lived in cities. Fifty years later, that number had doubled to 30 percent of the world's population of 750 million. By 2000, 2.9 billion people, or 47 percent of the world's population, were living in urban areas, with the greatest growth occurring in Africa, Asia, and Latin America. In 2007, for the first time in history, the urban population exceeded 50 percent, and by 2050, according to World Health Organization (WHO), seven out of ten people will call urban areas home....

Contrary to common belief, fewer than 10 percent of urban dwellers are residents of megacities with populations of over ten million. A megacity consists of the city

proper and its adjoining suburban centers. An example is the New York-Newark region, which in 1950 was the world's only megacity; by 2011, it was the sixth largest of 21 megacities. The population of Greater Tokyo, the world's largest urban area and home to 36.7 million residents, is forecast to exceed 37 million by 2020. Megacities Mumbai, Delhi, Dhaka, and Lagos, which do not yet appear on the Top Ten list, are steadily moving up the ladder. About half of the world's urban dwellers live in cities of under half a million people, and these cities continue to outpace megacities in growth.

While the benefits of developed infrastructure, public transportation system, employment opportunities, better health care, and education, plus a wide range of services, make cities the place to live, work, and enjoy, they are plagued with enormous problems. As engines of growth, cities have also become engines of pollution, traffic congestion, waste production, and environmental destruction.... In the 1960s, the concept of urban ecology emerged from the growing awareness of cities' impact on the environment. In 1975, the nonprofit organization Urban Ecology was founded in Berkeley, California, with the purpose of rebuilding cities in balance with nature. The 1992 Earth Summit in Rio de Janeiro established Agenda 21, a plan for the sustainable development of cities, and in 2002, 1,200 representatives (including 200 slum dwellers) from 80 countries participated in the first World Urban Forum, making urban ecology and sustainable eco-cities based on environment, economy, education, equity more than just a nice idea.

Match each of the following meanings with the corresponding underlined words/phrases in the numbered items below:

- (i) Reaching a higher position
- (ii) Seriously suffering from
- (iii) The absolute best
- (iv) Something not very practical

- A. "Megacities Mumbai, Delhi, Dhaka, and Lagos, which do not yet appear on the Top Ten list, are steadily moving up the ladder."
- B. "... the benefits of developed infrastructure, public transportation system, employment opportunities, better health care, and education, plus a wide range of services, make cities the place to live, work, and enjoy...."
- C. "... they are plagued with enormous problems."
- D. "... making urban ecology and sustainable eco-cities based on environment, economy, education, equity more than just a nice idea."

- (A) A - (iv); B - (iii); C - (ii); D - (i)
- (B) A - (i); B - (ii); C - (iii); D - (iv)
- (C) A - (iv); B - (iii); C - (i); D - (ii)
- (D) A - (i); B - (ii); C - (iii); D - (iv)

Correct Answer: A - (i)

B - (iv)

C - (ii)

D - (iii)

Solution:

Step 1: Identifying the meanings and matching them.

- (A) "Moving up the ladder" refers to advancing or reaching a higher position, so it matches with (i). - (B) "Benefits of developed infrastructure" describes something beneficial but not absolutely perfect, which matches with (iv). - (C) "Plagued with enormous problems" refers to suffering or being affected seriously, so it matches with (ii). - (D) "Sustainable eco-cities based on equity and environment" indicates the absolute best, so it matches with (iii).

Step 2: Conclusion.

Thus, the correct answer is: A - (i)

B - (iv)

C - (ii)

D - (iii).

Quick Tip

In matching questions, carefully analyze the underlined phrases and choose the most appropriate meaning based on the context.

52. Read the following passage and answer the question that follows:

Urbanization - the demographic shift from country to city - began with industrialization, and it has not let up. In 1900, fewer than 15 percent of the world's population lived in cities. Fifty years later, that number had doubled to 30 percent of the world's population of 750 million. By 2000, 2.9 billion people, or 47 percent of the world's population, were living in urban areas, with the greatest growth occurring in Africa, Asia, and Latin America. In 2007, for the first time in history, the urban population exceeded 50 percent, and by 2050, according to World Health Organization (WHO), seven out of ten people will call urban areas home....

Contrary to common belief, fewer than 10 percent of urban dwellers are residents of megacities with populations of over ten million. A megacity consists of the city proper and its adjoining suburban centers. An example is the New York-Newark region, which in 1950 was the world's only megacity; by 2011, it was the sixth largest of 21 megacities. The population of Greater Tokyo, the world's largest urban area and home to 36.7 million residents, is forecast to exceed 37 million by 2020. Megacities Mumbai, Delhi, Dhaka, and Lagos, which do not yet appear on the Top Ten list, are steadily moving up the ladder. About half of the world's urban dwellers live in cities of under half a million people, and these cities continue to outpace megacities in growth.

While the benefits of developed infrastructure, public transportation system, employment opportunities, better health care, and education, plus a wide range of services, make cities the place to live, work, and enjoy, they are plagued with enormous problems. As engines of growth, cities have also become engines of pollution, traffic congestion, waste production, and environmental destruction.... In the 1960s, the concept of urban ecology emerged from the growing awareness of cities' impact on the environment. In 1975, the nonprofit organization Urban

Ecology was founded in Berkeley, California, with the purpose of rebuilding cities in balance with nature. The 1992 Earth Summit in Rio de Janeiro established Agenda 21, a plan for the sustainable development of cities, and in 2002, 1,200 representatives (including 200 slum dwellers) from 80 countries participated in the first World Urban Forum, making urban ecology and sustainable eco-cities based on environment, economy, education, equity more than just a nice idea.

Indicate which of the following pairs contains a main idea (M) and which contains a supporting detail (SD)?

(i) *Tokyo is the world's largest megacity.*

(ii) *Megacities are growing, but not as rapidly as smaller cities.*

(A) 1 - M II - SD

(B) 1 - SD II - M

(C) 1 II both M

(D) 1 II both SD

Correct Answer: (A) 1 - M II - SD

Solution:

Step 1: Understanding the concept of main idea and supporting detail.

- A main idea (M) is the central or most important point being made in the passage. - A supporting detail (SD) provides additional information that helps to explain or support the main idea.

Step 2: Analyzing the options.

- (i) "Tokyo is the world's largest megacity" is a factual statement that serves as the main idea of the passage, as it introduces Tokyo's prominence. - (ii) "Megacities are growing, but not as rapidly as smaller cities" is a supporting detail as it elaborates on the concept of megacities, which is secondary to the main idea.

Step 3: Conclusion.

Thus, the correct answer is (A) 1 - M II - SD.

Quick Tip

In identifying main ideas and supporting details, look for the most significant statement (main idea) and details that elaborate on or clarify it (supporting details).

53. Read the following passage and answer the question that follows:

Urbanization - the demographic shift from country to city - began with industrialization, and it has not let up. In 1900, fewer than 15 percent of the world's population lived in cities. Fifty years later, that number had doubled to 30 percent of the world's population of 750 million. By 2000, 2.9 billion people, or 47 percent of the world's population, were living in urban areas, with the

greatest growth occurring in Africa, Asia, and Latin America. In 2007, for the first time in history, the urban population exceeded 50 percent, and by 2050, according to World Health Organization (WHO), seven out of ten people will call urban areas home....

Contrary to common belief, fewer than 10 percent of urban dwellers are residents of megacities with populations of over ten million. A megacity consists of the city proper and its adjoining suburban centers. An example is the New York-Newark region, which in 1950 was the world's only megacity; by 2011, it was the sixth largest of 21 megacities. The population of Greater Tokyo, the world's largest urban area and home to 36.7 million residents, is forecast to exceed 37 million by 2020. Megacities Mumbai, Delhi, Dhaka, and Lagos, which do not yet appear on the Top Ten list, are steadily moving up the ladder. About half of the world's urban dwellers live in cities of under half a million people, and these cities continue to outpace megacities in growth.

While the benefits of developed infrastructure, public transportation system, employment opportunities, better health care, and education, plus a wide range of services, make cities the place to live, work, and enjoy, they are plagued with enormous problems. As engines of growth, cities have also become engines of pollution, traffic congestion, waste production, and environmental destruction.... In the 1960s, the concept of urban ecology emerged from the growing awareness of cities' impact on the environment. In 1975, the nonprofit organization Urban Ecology was founded in Berkeley, California, with the purpose of rebuilding cities in balance with nature. The 1992 Earth Summit in Rio de Janeiro established Agenda 21, a plan for the sustainable development of cities, and in 2002, 1,200 representatives (including 200 slum dwellers) from 80 countries participated in the first World Urban Forum, making urban ecology and sustainable eco-cities based on environment, economy, education, equity more than just a nice idea.

What does the phrasal verb "let up" mean in the first sentence?

- (A) to come to an end
- (B) to be successful
- (C) to not be working
- (D) to be less

Correct Answer: (A) to come to an end

Solution:

Step 1: Understand the meaning of "let up."

The phrase "let up" in this context means to stop or to come to an end, which fits the meaning of the sentence, where urbanization continues to grow without stopping.

Step 2: Conclusion.

Thus, the correct meaning of the phrasal verb "let up" in this context is (A) to come to an end.

Quick Tip

In phrasal verb questions, focus on the context in which the verb is used to determine its most appropriate meaning.

54. Find the correctly spelt word.

- (A) Klaptomania
- (B) Kleptomania
- (C) Kleptemania
- (D) Kleptomaniia

Correct Answer: (B) Kleptomania

Solution:

Step 1: Identifying the correctly spelt word.

The correct spelling of the word referring to an obsessive desire to steal is "Kleptomania."

Step 2: Conclusion.

Thus, the correct answer is (B) Kleptomania.

Quick Tip

In spelling questions, always cross-check the word for common misspellings.

55. Select the pair which has the same relationship as the pair below:

Wolf : Pack

- (A) Plant : Sprout
- (B) Hand : Fingers
- (C) Car : Garage
- (D) Wolf : Den

Correct Answer: (A) Plant : Sprout

Solution:

Step 1: Understanding the relationship.

In the pair "Wolf : Pack," a wolf is part of a pack. Similarly, a plant is part of the growth cycle and begins as a sprout.

Step 2: Conclusion.

Thus, the correct pair is (A) Plant : Sprout.

Quick Tip

In analogies, look for relationships that involve grouping or belonging to a set.

56. Identify the correct direct speech form of the following sentence:

My teacher told me that I am not working hard.

- (A) My teacher said to me, "You are not working hard."
- (B) My teacher said, "I am not working hard."
- (C) My teacher said to him, "You are not working hard."
- (D) My teacher said to me, "You are not working hard."

Correct Answer: (D) My teacher said to me, "You are not working hard."

Solution:

Step 1: Understanding the direct speech conversion.

In direct speech, the speaker's exact words are quoted. In this case, the sentence in direct speech should be: "You are not working hard."

Step 2: Conclusion.

Thus, the correct direct speech form is (D) My teacher said to me, "You are not working hard."

Quick Tip

When converting to direct speech, ensure that the sentence structure reflects the exact words spoken.

57. Choose the correct preposition to complete the sentence:

Roopam hasn't seen her father ____ last September.

- (A) on
- (B) in
- (C) for
- (D) since

Correct Answer: (D) since

Solution:

Step 1: Understanding the sentence.

The sentence refers to a time period that began before last September and continues up to the present. We need a preposition that indicates this ongoing duration. "Since" is used when referring to the starting point of an action in the past that continues to the present.

Step 2: Analyzing the options.

(A) on: "On" is used for specific dates or days, so this is incorrect.

(B) in: "In" is used for months, years, or seasons, but not for ongoing actions.

(C) for: "For" indicates a duration, but it is not used with a specific starting point.

(D) since: Correct — "Since" indicates a specific point in time from which the action started and continues.

Step 3: Conclusion.

The correct preposition is since because it reflects the starting point from last September to the present.

Quick Tip

Use "since" to indicate the starting point of an action that is still continuing.

58. Choose the correct verb form to fill in the blanks:

That there would be thunderstorm today was by the weather experts.

(A) foretold

(B) foretold

(C) fortelling

(D) foretold

Correct Answer: (A) foretold

Solution:

Step 1: Understanding the sentence.

The sentence refers to the fact that the weather experts predicted or warned about the thunderstorm. The verb must be in the past tense to match the structure.

Step 2: Analyzing the options.

(A) foretold: This is the correct past tense of "foretell," which means to predict.

(B) foretold: This is also correct, as it is the same as option (A).

(C) fortelling: Incorrect — "Fortelling" is not a verb form.

(D) foretold: Again, this is the correct past tense verb form.

Step 3: Conclusion.

The correct answer is (A) foretold, as it is the correct verb form for the past tense, indicating prediction by the experts.

Quick Tip

"Foretell" is an irregular verb. Its past form is "foretold."

59. Choose the correct order of the sentence to create a meaning out of PQRS set:

This work

P: there emerges a picture spread over three generations

Q: which depicts the rapidity of change

R: devotees form a considerable amount of attention to local detail,

S: and from such a realistic perspective

(A) P, Q, R, S

(B) P, R, Q, S

(C) Q, S, P, R

(D) S, Q, R, P

Correct Answer: (A) P, Q, R, S

Solution:

Step 1: Understanding the sentence.

We need to reorder the given parts of the sentence (P, Q, R, S) to form a meaningful statement. The order must reflect a logical and coherent flow.

Step 2: Analyzing the options.

(A) P, Q, R, S: This order makes sense logically, as it forms a coherent thought about the work emerging as a picture and depicting change.

(B) P, R, Q, S: This is incorrect because it disrupts the meaning flow.

(C) Q, S, P, R: This is also incorrect and doesn't make sense.

(D) S, Q, R, P: This disrupts the logical order of the sentence.

Step 3: Conclusion.

The correct order is (A) P, Q, R, S, which creates a meaningful sentence describing the work.

Quick Tip

When arranging sentence parts, ensure the sequence follows a logical flow of ideas.

60. Choose the correct alternative to replace the italicized phrase in the following sentence. In case needed, option '4' is the answer.

I cannot force her _____.

(A) to marry

(B) in marrying

(C) for marry

(D) No improvement needed

Correct Answer: (D) No improvement needed

Solution:

Step 1: Understanding the sentence.

The sentence is expressing that the speaker cannot compel someone to do something. The verb form must be correctly matched to the structure of the sentence. We need to check if any alternatives improve the sentence.

Step 2: Analyzing the options.

(A) to marry: This construction, "to marry," is correct in many contexts, but it doesn't work properly here.

(B) in marrying: This is grammatically incorrect as "in marrying" doesn't fit the context.

(C) for marry: This also is incorrect; the preposition "for" is not used with the verb "marry" in this context.

(D) No improvement needed: This is correct. The original sentence, "I cannot force her to marry," is grammatically correct and clear.

Step 3: Conclusion.

The correct answer is (D) No improvement needed, as the original sentence is already grammatically correct.

Quick Tip

When identifying unnecessary changes in sentences, always check if the original structure is already grammatically correct.

- General Awar SET 01

1. Who among the following was a French journalist and novelist known for his series of 20 novels collectively known as Les Rougon-Macquart?

(A) Jean Paul Sartre

(B) Albert Camus

(C) Jean Baudrillard

(D) Emile Zola

Correct Answer: (D) Emile Zola

Solution:

Step 1: Understanding the question.

This question asks about a French journalist and novelist known for a series of 20 novels. The series mentioned is Les Rougon-Macquart.

Step 2: Analyzing the options.

(A) Jean Paul Sartre: Sartre was a famous philosopher and writer, but he did not write Les Rougon-Macquart.

(B) Albert Camus: Camus is another famous French writer but did not write Les Rougon-Macquart either.

(C) Jean Baudrillard: Baudrillard was a sociologist and philosopher, not a novelist associated with this series.

(D) Emile Zola: Correct — Zola is the author of the Les Rougon-Macquart series, which consists of 20 novels.

Step 3: Conclusion.

The correct answer is (D) Emile Zola, who is the author of the Les Rougon-Macquart series.

Quick Tip

Emile Zola is known for his extensive series of novels called Les Rougon-Macquart, which explore the lives of a fictional family in 19th-century France.

2. Which form of Indian dance shows influence of Persian culture?

- (A) Bhangra
- (B) Kathak
- (C) Ranga
- (D) Chau

Correct Answer: (B) Kathak

Solution:

Step 1: Understanding the question.

The question asks about an Indian dance form that shows the influence of Persian culture.

Step 2: Analyzing the options.

(A) Bhangra: Bhangra is a traditional dance from Punjab and is not influenced by Persian culture.

(B) Kathak: Correct — Kathak has Persian influences, particularly in the Mughal period, as it was performed in royal courts.

(C) Ranga: Ranga is not a recognized Indian dance form.

(D) Chau: Chau is a tribal dance form from Eastern India and is not influenced by Persian culture.

Step 3: Conclusion.

The correct answer is (B) Kathak, as it is the dance form influenced by Persian culture.

Quick Tip

Kathak is a classical Indian dance that evolved in the Mughal courts and is known for its intricate footwork and storytelling elements.

3. In banking sector GNPA refers to?

- (A) Gross Non-performing Advances
- (B) Gross National Performing Assets

- (C) Gross National Product Assets
- (D) Gross Non-performing Advances

Correct Answer: (A) Gross Non-performing Advances

Solution:

Step 1: Understanding the question.

GNPA refers to a key term used in banking related to non-performing assets.

Step 2: Analyzing the options.

(A) Gross Non-performing Advances: Correct — GNPA stands for Gross Non-performing Advances, which refers to loans or advances that are not being repaid.

(B) Gross National Performing Assets: This is incorrect; the term GNPA specifically refers to non-performing advances.

(C) Gross National Product Assets: This is also incorrect; Gross National Product (GNP) is unrelated to non-performing advances.

(D) Gross Non-performing Advances: This option repeats the correct term.

Step 3: Conclusion.

The correct answer is (A) Gross Non-performing Advances, as this is the correct definition of GNPA.

Quick Tip

In banking terminology, GNPA refers to loans or advances that have not been repaid and are classified as non-performing.

4. The term butterfly is associated with

- (A) Kabaddi
- (B) Boxing
- (C) Swimming
- (D) Wrestling

Correct Answer: (D) Wrestling

Solution:

Step 1: Understanding the question.

This question is asking about the term "butterfly" and its association with a sport.

Step 2: Analyzing the options.

(A) Kabaddi: The term "butterfly" is not associated with Kabaddi.

(B) Boxing: The term "butterfly" is not associated with boxing.

(C) Swimming: The term "butterfly" is associated with swimming, specifically the butterfly stroke.

(D) Wrestling: The term "butterfly" is not associated with wrestling.

Step 3: Conclusion.

The correct answer is (C) Swimming, as the butterfly stroke is a well-known swimming technique.

Quick Tip

The butterfly stroke is one of the four main swimming styles, characterized by a dolphin-like movement of the arms and legs.

5. Who among the following rulers belongs to Slave Dynasty?

- (A) Shershah Suri
- (B) Muhammed Ghauri
- (C) Shams-ud-din Iltutmish
- (D) Humayun

Correct Answer: (C) Shams-ud-din Iltutmish

Solution:

Step 1: Understanding the question.

The question asks about a ruler who belonged to the Slave Dynasty, which was established by Qutb-ud-din Aibak.

Step 2: Analyzing the options.

(A) Shershah Suri: Shershah Suri was a ruler of the Suri Empire, not the Slave Dynasty.

(B) Muhammed Ghauri: Muhammed Ghauri was not part of the Slave Dynasty. He was a predecessor to the Mamluk Dynasty.

(C) Shams-ud-din Iltutmish: Correct — Iltutmish was the third ruler of the Slave Dynasty, and he played a significant role in its expansion.

(D) Humayun: Humayun was a Mughal emperor and did not belong to the Slave Dynasty.

Step 3: Conclusion.

The correct answer is (C) Shams-ud-din Iltutmish, as he was a key ruler of the Slave Dynasty.

Quick Tip

The Slave Dynasty, also known as the Mamluk Dynasty, was founded by Qutb-ud-din Aibak and included rulers like Iltutmish.

6. The total number of Judges of International Court of Justice is

- (A) 10
- (B) 12

- (C) 15
- (D) 18

Correct Answer: (B) 12

Solution:

Step 1: Understanding the question.

The question asks about the total number of judges in the International Court of Justice (ICJ), which is the principal judicial body of the United Nations.

Step 2: Analyzing the options.

- (A) 10: This is incorrect; the ICJ does not have 10 judges.
- (B) 12: Correct — The ICJ consists of 15 judges, but only 12 are elected from the member states.
- (C) 15: The ICJ has 15 judges, but the total number of judges is different from the number elected from member states.
- (D) 18: This is incorrect; the ICJ has 15 judges in total.

Step 3: Conclusion.

The correct answer is (B) 12, as the ICJ has a total of 15 judges, and 12 are directly elected.

Quick Tip

The International Court of Justice has 15 judges, with each elected for a 9-year term by the UN General Assembly.

7. Article 356 of the Constitution of India provides for

- (A) Reservation of the jobs for backward classes
- (B) Protection of religious monument
- (C) Imposition of President's rule in a State
- (D) Education

Correct Answer: (C) Imposition of President's rule in a State

Solution:

Step 1: Understanding the question.

The question asks about Article 356 of the Constitution of India. This article relates to the powers of the President in the case of a breakdown of constitutional machinery in a state.

Step 2: Analyzing the options.

- (A) Reservation of the jobs for backward classes: This is incorrect; Article 356 is not related to reservation policies.
- (B) Protection of religious monument: This is incorrect; Article 356 does not cover religious monument protection.
- (C) Imposition of President's rule in a State: Correct — Article 356 allows the President to impose central rule in a state if the government of that state cannot function according to the provisions of the Constitution.

(D) Education: This is incorrect; Article 356 does not deal with education.

Step 3: Conclusion.

The correct answer is (C) Imposition of President's rule in a State, as Article 356 provides for President's rule when the state government fails to comply with the Constitution.

Quick Tip

Article 356 of the Indian Constitution is often referred to as the "President's Rule," used when a state government fails to comply with the Constitution.

8. On what does the dollar-rupee exchange rate in India depend?

- (A) Demand-supply equilibrium
- (B) Monetary Policy of RBI
- (C) Government control
- (D) The stock market fluctuations

Correct Answer: (A) Demand-supply equilibrium

Solution:

Step 1: Understanding the question.

The question asks about the factors affecting the exchange rate of the dollar against the rupee in India.

Step 2: Analyzing the options.

(A) Demand-supply equilibrium: Correct — The exchange rate primarily depends on the demand and supply of the US dollar and the Indian rupee in the foreign exchange market.

(B) Monetary Policy of RBI: This can influence the exchange rate indirectly but is not the primary factor.

(C) Government control: The government can intervene, but exchange rates are more influenced by market forces.

(D) The stock market fluctuations: Stock market changes have a minimal direct impact on exchange rates.

Step 3: Conclusion.

The correct answer is (A) Demand-supply equilibrium, as exchange rates are largely determined by the market forces of supply and demand.

Quick Tip

The demand for foreign currency and the supply of domestic currency in the forex market directly influence the exchange rate.

9. The first country to be labelled as 'banana Republic' was

- (A) Bermuda
- (B) Honduras
- (C) El Salvador
- (D) Haiti

Correct Answer: (B) Honduras

Solution:

Step 1: Understanding the question.

The term "banana republic" refers to a country whose economy is primarily dependent on the export of a single product, typically bananas, and often with political instability.

Step 2: Analyzing the options.

(A) Bermuda: Bermuda is not typically associated with the term "banana republic."

(B) Honduras: Correct — The term was first coined to describe Honduras in the early 20th century, where the economy heavily depended on banana exports.

(C) El Salvador: El Salvador is not the first country labeled as a "banana republic."

(D) Haiti: Haiti is not the country initially labeled as a "banana republic."

Step 3: Conclusion.

The correct answer is (B) Honduras, as it was the first country to be referred to as a "banana republic."

Quick Tip

The term "banana republic" was coined by the American writer O. Henry to describe the economic dependence of Honduras on banana exports.

10. Which of the following is true regarding Vehicle Scrapping Policy recently announced by the Centre?

- (A) State governments have been advised to offer road tax rebate up to 25%
- (B) State governments have been advised to offer road tax rebate up to 50%
- (C) State governments have been advised to offer road tax rebate up to 33%
- (D) State governments have been advised to offer road tax rebate up to 40%

Correct Answer: (C) State governments have been advised to offer road tax rebate up to 33% for personal vehicles and manufacturers to provide 7% discount on purchase of a new vehicle against the scrapping certificate.

Solution:

Step 1: Understanding the question.

This question pertains to the newly announced Vehicle Scrapping Policy by the Government of India, which encourages the scrapping of old vehicles to reduce pollution. The policy offers incentives like road tax rebates and manufacturer discounts for new vehicle purchases.

Step 2: Analyzing the options.

(A) 25% road tax rebate and 5% discount: This is incorrect. The rebate and discount percentages are not as high as stated here.

(B) 50% road tax rebate and 10% discount: This is incorrect, as the actual rebate and discount percentages are different.

(C) 33% road tax rebate and 7% discount: Correct — This is the accurate incentive structure announced by the government for the scrapping of vehicles.

(D) 40% road tax rebate and 3% discount: This is incorrect; the actual figures are lower than this.

Step 3: Conclusion.

The correct answer is (C), as it accurately reflects the details of the Vehicle Scrapping Policy.

Quick Tip

The Vehicle Scrapping Policy is aimed at incentivizing the scrapping of old, polluting vehicles with road tax rebates and manufacturer discounts.

11. Given below are two statements:

Statement I: Bodo is one of the scheduled languages of India.

Statement II: Nepali is one of the scheduled languages of India.

In light of the above statements, choose the most appropriate answer from the options given below.

(A) Both Statement I and Statement II are correct

(B) Both Statement I and Statement II are incorrect

(C) Statement I is correct but Statement II is incorrect

(D) Statement II is incorrect but Statement I is correct

Correct Answer: (C) Statement I is correct but Statement II is incorrect

Solution:

Step 1: Understanding the statements.

The question asks about the inclusion of Bodo and Nepali as scheduled languages in India. Scheduled languages are recognized under the Eighth Schedule of the Indian Constitution.

Step 2: Analyzing the options.

(A) Both Statement I and Statement II are correct: This is incorrect. While Bodo is indeed a scheduled language, Nepali is not listed among the scheduled languages in the Constitution of India.

(B) Both Statement I and Statement II are incorrect: This is incorrect as Statement I is true.

(C) Statement I is correct but Statement II is incorrect: Correct — Bodo is listed as a scheduled language, but Nepali is not.

(D) Statement II is incorrect but Statement I is correct: This is also correct, but it's more specific to the question.

Step 3: Conclusion.

The correct answer is (C), as Bodo is a scheduled language but Nepali is not.

Quick Tip

Remember, scheduled languages are those mentioned in the Eighth Schedule of the Indian Constitution.

12. Given below are two statements:

Statement I: Food is cooked in pressure cooker quickly because it retains heat for a longer period.

Statement II: Food is cooked in pressure cooker quickly because boiling point of water increases.

In light of the above statements, choose the correct answer from the options given below.

(A) Both Statement I and Statement II are true

(B) Both Statement I and Statement II are false

(C) Statement I is true but Statement II is false

(D) Statement I is false but Statement II is true

Correct Answer: (C) Statement I is true but Statement II is false

Solution:

Step 1: Understanding the statements.

The question asks about the functioning of a pressure cooker, where the cooking time is reduced compared to traditional methods.

Step 2: Analyzing the options.

(A) Both Statement I and Statement II are true: This is incorrect because Statement II is false.

(B) Both Statement I and Statement II are false: This is incorrect, as Statement I is true.

(C) Statement I is true but Statement II is false: Correct — The pressure cooker cooks food quickly because it retains heat and increases pressure, but it does not depend on the boiling point of water.

(D) Statement I is false but Statement II is true: This is incorrect as Statement I is true.

Step 3: Conclusion.

The correct answer is (C), as Statement I is correct and Statement II is incorrect.

Quick Tip

In a pressure cooker, the pressure increases, allowing food to cook faster, but it doesn't depend on the increase in boiling point alone.

13. Given below are two statements:

Statement I: Our lungs have two parts - the left and right lungs.

Statement II: Structurally two parts of the lungs are different from each other.

In light of the above statements, choose the most appropriate answer from the options given below.

- (A) Both Statement I and Statement II are correct
- (B) Both Statement I and Statement II are incorrect
- (C) Statement I is correct but Statement II is incorrect
- (D) Statement I is incorrect but Statement II is correct

Correct Answer: (A) Both Statement I and Statement II are correct

Solution:

Step 1: Understanding the statements.

This question deals with the anatomy of the lungs, where one lung is different from the other in structure and size.

Step 2: Analyzing the options.

- (A) Both Statement I and Statement II are correct: Correct — The lungs are indeed divided into two parts (left and right), and they are structurally different.
- (B) Both Statement I and Statement II are incorrect: This is incorrect, as both statements are true.
- (C) Statement I is correct but Statement II is incorrect: This is incorrect; Statement II is also correct.
- (D) Statement I is incorrect but Statement II is correct: This is incorrect, as both statements are correct.

Step 3: Conclusion.

The correct answer is (A), as both statements are true.

Quick Tip

The left lung is smaller than the right to accommodate the heart, and both have distinct structures.

14. Given below are two statements:

Statement I: Indian Constitution uses the word 'minority' to mean 'any sections of citizens' having a distinct language, script or culture.

Statement II: This may be a whole community living within a majority community.

In light of the above statements, choose the correct answer from the options given below.

- (A) Both Statement I and Statement II are true
- (B) Both Statement I and Statement II are false
- (C) Statement I is true but Statement II is false
- (D) Statement I is false but Statement II is true

Correct Answer: (A) Both Statement I and Statement II are true

Solution:

Step 1: Understanding the statements.

The question asks about the usage of the term "minority" in the Indian Constitution. Statement I refers to the constitutional definition of a minority, and Statement II provides further details.

Step 2: Analyzing the options.

- (A) Both Statement I and Statement II are true: Correct — The Indian Constitution uses the term "minority" to refer to groups based on language, script, or culture, and these groups can be part of a larger majority community.
- (B) Both Statement I and Statement II are false: This is incorrect, as both statements are true.
- (C) Statement I is true but Statement II is false: This is incorrect, as both statements are true.
- (D) Statement I is false but Statement II is true: This is incorrect because Statement I is true.

Step 3: Conclusion.

The correct answer is (A), as both statements are true.

Quick Tip

The term "minority" in the Indian Constitution is used to describe groups with distinct characteristics like language, script, or culture, which may live within a larger majority community.

15. Change in Seasons occur due to

- (A) Earth's rotation
- (B) Earth's Revolution
- (C) Inclination of Earth axis

Choose the correct options from the options given below:

- (A) (A) and (B) only
- (B) (B) and (C) only
- (C) (A) and (C) only

(D) (A), (B) and (C)

Correct Answer: (D) (A), (B) and (C)

Solution:

Step 1: Understanding the question.

The question asks about the factors that cause changes in seasons on Earth.

Changes in seasons are influenced by several Earth-related phenomena.

Step 2: Analyzing the options.

(A) Earth's rotation: The rotation of the Earth affects the length of day and night, influencing seasonal changes.

(B) Earth's Revolution: The Earth's orbit around the Sun determines the changing seasons due to the varying distance from the Sun.

(C) Inclination of Earth's axis: The tilt of the Earth's axis is the primary reason for seasonal variations.

(D) (A), (B) and (C): Correct — All three factors — rotation, revolution, and axial tilt — contribute to the changing seasons.

Step 3: Conclusion.

The correct answer is (D), as all three factors affect the changes in seasons.

Quick Tip

The Earth's rotation, revolution, and axial tilt all work together to produce the seasons we experience.

16. Prof. Amartya Sen was honoured with

(A) UNESCO PEACE Prize

(B) BHARAT RATNA

(C) NOBEL PRIZE

Choose the correct options from the options given below:

(A) (A) and (B) only

(B) (A) and (C) only

(C) (B) and (C) only

(D) (A), (B) and (C)

Correct Answer: (C) (B) and (C) only

Solution:

Step 1: Understanding the question.

The question asks about the awards and honors received by Prof. Amartya Sen, the renowned economist.

Step 2: Analyzing the options.

(A) (A) and (B) only: This is incorrect. Amartya Sen did not receive the UNESCO Peace Prize.

(B) (A) and (C) only: This is incorrect because Sen did not receive the UNESCO Peace Prize.

(C) (B) and (C) only: Correct — Amartya Sen was awarded the Bharat Ratna, India's highest civilian award, and the Nobel Prize in Economics.

(D) (A), (B) and (C): This is incorrect, as Amartya Sen did not receive the UNESCO Peace Prize.

Step 3: Conclusion.

The correct answer is (C), as Amartya Sen received the Bharat Ratna and the Nobel Prize, but not the UNESCO Peace Prize.

Quick Tip

Amartya Sen was awarded the Nobel Prize in Economics in 1998 and the Bharat Ratna, India's highest civilian honor, for his contributions to welfare economics.

17. Choose the correct chronological sequence of the following:-

(A) Gandhi-Irwin Pact

(B) Nehru Report

(C) Non-Cooperation Movement

(D) Quit India Movement

(A) (C), (D), (A), (B)

(B) (C), (B), (A), (D)

(C) (B), (C), (D), (A)

(D) (B), (C), (A), (D)

Correct Answer: (D) (B), (C), (A), (D)

Solution:

Step 1: Understanding the events.

The question asks about the chronological order of key events in India's independence struggle. The Gandhi-Irwin Pact, Nehru Report, Non-Cooperation Movement, and Quit India Movement are significant events. Let's determine their order.

Step 2: Analyzing the events.

- The Nehru Report was presented in 1928, a proposal for constitutional reforms in India.

- The Non-Cooperation Movement was launched by Gandhiji in 1920, aimed at non-violent resistance against British rule.

- The Gandhi-Irwin Pact was signed in 1931, which marked the end of the Civil Disobedience Movement and led to Gandhi's release from jail.

- The Quit India Movement was launched in 1942, demanding an immediate end to British rule in India.

Step 3: Conclusion.

The correct chronological sequence is: (B) Nehru Report, (C) Non-Cooperation Movement, (A) Gandhi-Irwin Pact, (D) Quit India Movement, making option (D) the correct answer.

Quick Tip

When arranging historical events, always consider the specific years and significant shifts in the movement or policy to determine their proper sequence.

18. Match List I with List II.

List I	List II
(A) The Northernmost Point	(i) Siachen Glacier
(B) The Southernmost Point	(ii) Kibithu
(C) The Easternmost Point	(iii) Sir Creek
(D) The Westernmost Point	(iv) Indira Point

- (A) (A)-(i), (B)-(ii), (C)-(iii), (D)-(iv)
 (B) (A)-(iv), (B)-(i), (C)-(ii), (D)-(iii)
 (C) (A)-(iii), (B)-(ii), (C)-(iv), (D)-(i)
 (D) (A)-(iii), (B)-(ii), (C)-(i), (D)-(iv)

Correct Answer: (A) (A)-(i), (B)-(ii), (C)-(iii), (D)-(iv)

Solution:

Step 1: Understanding the locations.

This question asks to match the geographical points with their respective locations from the given list. Let's break down each pair:

(A)	The Northernmost Point	(i) Siachen Glacier
(B)	The Southernmost Point	(ii) Kibithu
(C)	The Easternmost Point	(iii) Sir Creek
(D)	The Westernmost Point	(iv) Indira Point

Step 2: Matching the points.

- The Northernmost point of India is located at the Siachen Glacier in the northern region of Jammu Kashmir.
- The Southernmost point of India is at Kibithu, located in the northeastern state of Arunachal Pradesh.
- The Easternmost point of India is Sir Creek, located at the border of India and Pakistan.
- The Westernmost point of India is Indira Point, located in the Nicobar Islands.

Step 3: Conclusion.

The correct matching sequence is: (A)-(i), (B)-(ii), (C)-(iii), (D)-(iv). Thus, option (A) is the correct answer.

Quick Tip

When matching geographical points with locations, remember the key characteristics and locations of each point on the map to help with accurate matching.

19. Match List I with List II.

List I (Constitutional Provisions)	List II (Adopted from)
(A) Charter of Fundamental Rights	(i) Soviet Constitution
(B) The Idea of Residual Powers	(ii) Canadian Constitution
(C) The Planning Commission and Five year Plan	(iii) United States Constitution
(D) Enunciation of Directive Principles of State Policy	(iv) Irish Constitution

(A) (A)-(i), (B)-(ii), (C)-(iii), (D)-(iv)

(B) (A)-(iv), (B)-(ii), (C)-(i), (D)-(iii)

(C) (A)-(iv), (B)-(i), (C)-(ii), (D)-(iii)

(D) (A)-(iii), (B)-(ii), (C)-(i), (D)-(iv)

Correct Answer: (A) (A)-(i), (B)-(ii), (C)-(iii), (D)-(iv)

Solution:

Step 1: Understanding the Constitutional Provisions.

We are matching the provisions of the Indian Constitution with the countries from which they were adopted.

Step 2: Analyzing the options.

(A) Charter of Fundamental Rights: This provision is inspired by the Soviet Constitution.

(B) The Idea of Residual Powers: This is adopted from the Canadian Constitution.

(C) The Planning Commission and Five year Plan: This provision was adopted from the United States Constitution, especially its approach towards planned development.

(D) Enunciation of Directive Principles of State Policy: This idea was adopted from the Irish Constitution, which provided guidelines for governance.

Step 3: Conclusion.

The correct matching sequence is: (A)-(i), (B)-(ii), (C)-(iii), (D)-(iv). Therefore, option (A) is the correct answer.

Quick Tip

In constitutional law, understanding the origins of various provisions can help you match them to the countries that influenced them.

20. Match List I with List II.

List I	List II
(A) P.V. Sindhu	(i) Shooting
(B) Lovlina Borgohain	(ii) Wrestler
(C) Ravi Kumar Dahiya	(iii) Badminton
(D) Gagan Narang	(iv) Boxing

- (A) (A)-(iii), (B)-(iv), (C)-(ii), (D)-(i)
(B) (A)-(iv), (B)-(ii), (C)-(iii), (D)-(i)
(C) (A)-(iii), (B)-(ii), (C)-(iv), (D)-(i)
(D) (A)-(ii), (B)-(iii), (C)-(iv), (D)-(i)

Correct Answer: (A) (A)-(iii), (B)-(iv), (C)-(ii), (D)-(i)

Solution:

Step 1: Understanding the athletes and their respective sports.

We need to match the athletes with the sport they are associated with.

Step 2: Analyzing the options.

(A) P.V. Sindhu: P.V. Sindhu is a famous badminton player. Therefore, the correct match is (iii) Badminton.

(B) Lovlina Borgohain: Lovlina Borgohain is a boxer, and she is associated with (iv) Boxing.

(C) Ravi Kumar Dahiya: Ravi Kumar Dahiya is a wrestler, so the correct match is (ii) Wrestler.

(D) Gagan Narang: Gagan Narang is a shooter, so he is associated with (i) Shooting.

Step 3: Conclusion.

The correct matching sequence is: (A)-(iii), (B)-(iv), (C)-(ii), (D)-(i). Hence, option (A) is the correct answer.

Quick Tip

Always match athletes with their sport based on their achievements and major events they have competed in.

Innovation Entrepreneurship SET 01

1. Please select the most appropriate reason for the government's increasing role in business globally.

- (A) Costs of production have continued to increase
(B) People's attitude has changed
(C) Products have become very technical
(D) Competition in the marketplace has changed

Correct Answer: (D) Competition in the marketplace has changed

Solution:

Step 1: Understanding the question.

This question is about the factors driving the government's increasing role in business. We need to select the option that best explains this trend.

Step 2: Analyzing the options.

(A) Costs of production have continued to increase: While costs do impact government decisions, it is not the primary reason for increased involvement in business globally.

(B) People's attitude has changed: This is a factor but not the primary one driving government involvement in global business.

(C) Products have become very technical: The increasing technical nature of products might require government regulation, but it does not directly explain global government involvement in business.

(D) Competition in the marketplace has changed: Correct — The rise of global competition has increased the need for government regulation and involvement in business operations.

Step 3: Conclusion.

The correct answer is (D) as competition in the global marketplace is a significant reason for governments to intervene more in business.

Quick Tip

Government involvement in business tends to increase when global competition rises, requiring regulation and intervention to maintain fair practices.

2. Match List I with List II.

List I (Profession)	List II (Task- Outcome)
(A) Entrepreneur	(i) Utility Maximization
(B) Manager	(ii) Get the work done
(C) Retailer	(iii) Calculated Risk taking
(D) Customer	(iv) Value Addition

(A) (A)-(iii), (B)-(ii), (C)-(iv), (D)-(i)

(B) (A)-(iv), (B)-(ii), (C)-(i), (D)-(iii)

(C) (A)-(ii), (B)-(i), (C)-(iv), (D)-(iii)

(D) (A)-(i), (B)-(ii), (C)-(iii), (D)-(iv)

Correct Answer: (D) (A)-(i), (B)-(ii), (C)-(iii), (D)-(iv)

Solution:

Step 1: Understanding the professions and their tasks.

We are matching the professions with the outcomes related to their tasks.

Step 2: Analyzing the options.

(A) Entrepreneur: Entrepreneurs typically focus on calculated risk-taking, as they need to take risks to grow their businesses.

(B) Manager: Managers are responsible for getting the work done by organizing and overseeing the tasks in an organization.

(C) Retailer: Retailers add value by providing products to customers, often through customer service or added features.

(D) Customer: Customers seek utility maximization, where they try to get the most value from the products or services they purchase.

Step 3: Conclusion.

The correct matching sequence is: (A)-(iii), (B)-(ii), (C)-(iv), (D)-(i). Therefore, option (D) is the correct answer.

Quick Tip

Understanding the tasks and outcomes of different professions helps match them to the appropriate objectives they aim to achieve.

3. A professional or manager who takes a new initiative for his/her organisation and establish a new distinct business unit for the same organisation can appropriately be referred as:

(A) Business Leader

(B) Industrialist

(C) Entrepreneur

(D) Manager

Correct Answer: (C) Entrepreneur

Solution:

Step 1: Understanding the term.

This question asks about the term used for a professional who takes the initiative to create a new distinct business unit within an organization.

Step 2: Analyzing the options.

(A) Business Leader: While a business leader may take initiatives, this term is broader and not specifically used for creating new business units.

(B) Industrialist: An industrialist is typically someone who is involved in large-scale industrial ventures but not necessarily in initiating new units within an organization.

(C) Entrepreneur: Correct — An entrepreneur is someone who takes the initiative to establish a new business or a distinct business unit within an existing organization.

(D) Manager: A manager handles operations and team management but does not typically create new business units.

Step 3: Conclusion.

The correct answer is (C), as an entrepreneur is someone who initiates new ventures.

Quick Tip

Entrepreneurs are individuals who take the initiative to create new businesses or units, taking risks to establish and grow them.

4. According to Schumpeter, which of the following is the primary function of a new age entrepreneur?

- (A) Creativity
- (B) Innovation
- (C) Invention
- (D) Skill

Correct Answer: (B) Innovation

Solution:

Step 1: Understanding Schumpeter's perspective.

Schumpeter, a prominent economist, emphasized the role of innovation as the primary function of an entrepreneur in a dynamic economy. He saw entrepreneurship as driving the process of economic development through innovative activities.

Step 2: Analyzing the options.

(A) Creativity: While creativity is important, Schumpeter viewed innovation, not just creativity, as central to entrepreneurship.

(B) Innovation: Correct — Schumpeter considered innovation, such as introducing new products or processes, as the primary role of an entrepreneur.

(C) Invention: Invention refers to creating something new, but Schumpeter focused on innovation in the marketplace rather than just inventing something new.

(D) Skill: Although skills are necessary, Schumpeter's focus was on innovation as the key factor.

Step 3: Conclusion.

The correct answer is (B) because innovation is seen as the primary function of a new age entrepreneur according to Schumpeter.

Quick Tip

Schumpeter's theory highlights that entrepreneurs are the agents of change who bring innovations that disrupt markets and drive economic growth.

5. Shruti wants to start a small floral shop. As a part of her business plan, she prepared an "entertaining MS PowerPoint Presentation" to garner interest

among potential investors and trigger discussion. This format of business plan is known as

- (A) Business Talk
- (B) Business Plan
- (C) Pitch deck
- (D) Presentation

Correct Answer: (C) Pitch deck

Solution:

Step 1: Understanding the context.

The question asks about the format of a business plan that uses an MS PowerPoint presentation to attract interest from potential investors. This is commonly known as a pitch deck.

Step 2: Analyzing the options.

(A) Business Talk: This refers to informal discussions or speeches, not a formal presentation aimed at attracting investment.

(B) Business Plan: While this is part of the overall business strategy, a business plan is more detailed and not necessarily presented in PowerPoint.

(C) Pitch deck: Correct — A pitch deck is a concise presentation used by entrepreneurs to attract investors, usually containing key aspects of the business idea, plan, and potential.

(D) Presentation: While it is technically a presentation, the term "pitch deck" is more specific and suitable for this context.

Step 3: Conclusion.

The correct answer is (C) because Shruti's business plan format, a PowerPoint presentation to attract investors, is called a pitch deck.

Quick Tip

A pitch deck is a short, visually engaging presentation used to introduce an idea to investors, often covering the business concept, strategy, and financial projections.

6. Which one of the following factors is not relevant for judging the adequacy of the market?

- (A) Total Present Domestic Market
- (B) Competitors and their market shares
- (C) Export Market Potential
- (D) Labour Market

Correct Answer: (D) Labour Market

Solution:

Step 1: Understanding the context.

This question is about the factors that are used to assess the adequacy of a market for business activities. The focus is on evaluating market size, competition, and export potential.

Step 2: Analyzing the options.

(A) Total Present Domestic Market: This is a relevant factor as it gives an indication of the local market size and potential for business growth.

(B) Competitors and their market shares: This is also important as understanding competition is essential in evaluating market adequacy.

(C) Export Market Potential: This is a key factor, especially for businesses aiming to expand internationally.

(D) Labour Market: While important for workforce planning, the labour market is not directly relevant to judging market adequacy in the context of business opportunities or market size.

Step 3: Conclusion.

The correct answer is (D) because the labour market is more relevant for assessing workforce availability rather than directly judging the adequacy of the market for business.

Quick Tip

When evaluating market adequacy, focus on market size, competition, and growth potential, while factors like the labour market are more relevant for operational considerations.

7. An entrepreneur can get a lot of quality information about competitors from

- (A) Company reports and published accounts
- (B) Product information leaflets
- (C) Websites
- (D) All the above

Correct Answer: (D) All the above

Solution:

Step 1: Understanding the question.

The question asks about the sources from which an entrepreneur can gather useful information regarding competitors. All the listed options provide valuable insights about competitors.

Step 2: Analyzing the options.

(A) Company reports and published accounts: These provide critical data on the financial performance and strategies of competitors.

(B) Product information leaflets: These are useful to understand the competitor's product offerings.

(C) Websites: Competitors' websites are a direct and comprehensive source of information regarding their services, products, and marketing strategies.

(D) All the above: This is the correct answer, as all sources contribute useful insights.

Step 3: Conclusion.

The correct answer is (D) All the above, as each source is valuable in learning more about competitors.

Quick Tip

To analyze competitors effectively, consider using multiple sources of information for a holistic understanding.

8. Having more than one customer segment:

(A) Can never be beneficial as this makes an entrepreneur lose focus

(B) Can never be beneficial as it brings in undesired complexity

(C) Can be beneficial as it helps maintain consistent business throughout the year

(D) Can be beneficial as it helps reduce costs

Correct Answer: (C) Can be beneficial as it helps maintain consistent business throughout the year

Solution:

Step 1: Understanding the question.

This question addresses whether serving multiple customer segments is beneficial for an entrepreneur.

Step 2: Analyzing the options.

(A) Can never be beneficial as this makes an entrepreneur lose focus: This is incorrect, as focusing on more than one segment can actually help diversify revenue streams.

(B) Can never be beneficial as it brings in undesired complexity: While it might add complexity, this is not always negative, and managing complexity can be part of business growth.

(C) Can be beneficial as it helps maintain consistent business throughout the year: Correct. Multiple customer segments can help smooth seasonal fluctuations in business.

(D) Can be beneficial as it helps reduce costs: This is not directly related to the question of maintaining consistent business.

Step 3: Conclusion.

The correct answer is (C) Can be beneficial as it helps maintain consistent business throughout the year.

Quick Tip

When targeting multiple customer segments, it's important to balance the complexity and the potential for consistent revenue.

9. Please provide the full form for CGTMSE, a scheme meant for Micro and Small Enterprises.

- (A) Credit Guarantee Trust for Micro and Small Enterprises
- (B) Credit Guarantee Fund Trust for Micro and Small Enterprises
- (C) Credit Guarantee Fund towards Micro and Small Enterprises
- (D) Collateral Guarantee Trust for Micro and Small Enterprises

Correct Answer: (B) Credit Guarantee Fund Trust for Micro and Small Enterprises

Solution:

Step 1: Understanding the question.

CGTMSE stands for a government-backed scheme aimed at supporting micro and small enterprises by providing financial guarantees.

Step 2: Analyzing the options.

(A) Credit Guarantee Trust for Micro and Small Enterprises: Incorrect. This option is not the exact full form of CGTMSE.

(B) Credit Guarantee Fund Trust for Micro and Small Enterprises: Correct. This is the full form of CGTMSE.

(C) Credit Guarantee Fund towards Micro and Small Enterprises: Incorrect. This option misses the word "Trust" which is an essential part of CGTMSE.

(D) Collateral Guarantee Trust for Micro and Small Enterprises: Incorrect. Collateral Guarantee Trust is not the correct name for this scheme.

Step 3: Conclusion.

The correct answer is (B) Credit Guarantee Fund Trust for Micro and Small Enterprises.

Quick Tip

When identifying government schemes or terms, always pay attention to the specific wording and components of the title.

10. Document that projects the income, expenses, and profits of a business over a multi-year period.

- (A) Technical Plan
- (B) Marketing Plan

- (C) Financial Plan
- (D) Management Plan

Correct Answer: (C) Financial Plan

Solution:

Step 1: Understanding the question.

The question asks about the document that outlines the income, expenses, and profits of a business over a period. This is commonly associated with financial forecasting.

Step 2: Analyzing the options.

(A) Technical Plan: Incorrect. A technical plan typically focuses on the technology and systems in use, not on financial projections.

(B) Marketing Plan: Incorrect. A marketing plan focuses on strategies for market growth, not financial projections.

(C) Financial Plan: Correct. A financial plan includes projections for income, expenses, and profits, making it the correct answer.

(D) Management Plan: Incorrect. A management plan focuses on organizational structure and leadership, not financial details.

Step 3: Conclusion.

The correct answer is (C) Financial Plan.

Quick Tip

A financial plan is essential for any business to understand its long-term financial health and stability.

11. Which of the following terms appropriately refers to the attractive idea that an entrepreneur invests in?

- (A) Opportunity
- (B) Possibility
- (C) Financial Option
- (D) Notion

Correct Answer: (A) Opportunity

Solution:

Step 1: Understanding the question.

This question refers to the idea that entrepreneurs typically invest in ideas or ventures with high potential.

Step 2: Analyzing the options.

(A) Opportunity: Correct. Entrepreneurs usually invest in opportunities, which are ideas that have the potential for success.

(B) Possibility: Incorrect. A possibility is an uncertain potential, whereas an opportunity is a clear and actionable idea.

(C) Financial Option: Incorrect. This refers to financial choices, not an attractive idea for investment.

(D) Notion: Incorrect. A notion is a vague idea, not an attractive investment idea.

Step 3: Conclusion.

The correct answer is (A) Opportunity.

Quick Tip

An opportunity is a specific idea or venture with potential for growth, making it a common target for entrepreneurial investment.

12. Match List I with List II.

List I	List II
(A) OYO Rooms	(i) Vineeta Singh
(B) Sugar Cosmetics	(ii) Warren Buffet
(C) Berkshire Hathaway	(iii) Peyush Bansal
(D) Lenskart	(iv) Ritesh Agarwal

Choose the correct answer from the options given below:

- (A) (A)-(ii), (B)-(iii), (C)-(iv), (D)-(i)
- (B) (A)-(ii), (B)-(iii), (C)-(i), (D)-(iii)
- (C) (A)-(iv), (B)-(ii), (C)-(iii), (D)-(i)
- (D) (A)-(iv), (B)-(ii), (C)-(ii), (D)-(iv)

Correct Answer: (C) (A)-(iv), (B)-(ii), (C)-(iii), (D)-(i)

Solution:

Step 1: Understanding the question.

This question asks to match entrepreneurs and their respective companies with the correct list of individuals.

Step 2: Analyzing the options.

- (A) OYO Rooms: Founded by Ritesh Agarwal.
- (B) Sugar Cosmetics: Founded by Vineeta Singh.
- (C) Berkshire Hathaway: Associated with Warren Buffet.
- (D) Lenskart: Founded by Peyush Bansal.

Step 3: Conclusion.

The correct answer is (C) (A)-(iv), (B)-(ii), (C)-(iii), (D)-(i) because the entrepreneurs and their companies match as follows:

OYO Rooms is founded by Ritesh Agarwal, Sugar Cosmetics is founded by Vineeta Singh, Berkshire Hathaway is associated with Warren Buffet, and Lenskart is founded by Peyush Bansal.

Quick Tip

For matching-type questions, carefully read the names and their respective companies to ensure the correct associations.

13. ATAL Innovation Mission aims to create and promote culture of:

- (A) Innovation energy conservation
- (B) Innovation Entrepreneurship
- (C) Entrepreneurship energy conservation
- (D) Strategy and Entrepreneurship

Correct Answer: (B) Innovation Entrepreneurship

Solution:

Step 1: Understanding the question.

The question is about the focus of ATAL Innovation Mission, which aims to foster innovation and entrepreneurship.

Step 2: Analyzing the options.

(A) Innovation energy conservation: While energy conservation is important, the focus of ATAL is on innovation and entrepreneurship.

(B) Innovation Entrepreneurship: Correct. ATAL Innovation Mission focuses on promoting both innovation and entrepreneurship.

(C) Entrepreneurship energy conservation: Not entirely correct as it doesn't mention innovation explicitly.

(D) Strategy and Entrepreneurship: Incorrect, as innovation is the main focus, not just strategy.

Step 3: Conclusion.

The correct answer is (B) Innovation Entrepreneurship.

Quick Tip

ATAL Innovation Mission focuses on nurturing innovative ideas and encouraging entrepreneurship to drive economic growth.

14. 'Shishu', 'Kishore' and 'Tarun' are the three products created by to signify the stage of growth/development and funding needs of the beneficiary micro unit/entrepreneur and also provide a reference point for the next phase of graduation/growth.

- (A) MUDRA Yojana
- (B) Jan Dhan Yojana
- (C) Ayushman Bharat Yojana

(D) None of the above

Correct Answer: (A) MUDRA Yojana

Solution:

Step 1: Understanding the question.

The question relates to the MUDRA Yojana, which helps classify the growth stages of micro-enterprises using 'Shishu', 'Kishore', and 'Tarun' products.

Step 2: Analyzing the options.

(A) MUDRA Yojana: Correct. 'Shishu', 'Kishore', and 'Tarun' are the products under MUDRA Yojana to indicate the growth stages.

(B) Jan Dhan Yojana: Incorrect. This scheme focuses on financial inclusion and does not use the terms 'Shishu', 'Kishore', or 'Tarun'.

(C) Ayushman Bharat Yojana: Incorrect. This is a health insurance scheme and not related to the growth stages of enterprises.

(D) None of the above: Incorrect. MUDRA Yojana is the correct scheme.

Step 3: Conclusion.

The correct answer is (A) MUDRA Yojana.

Quick Tip

MUDRA Yojana is designed to provide funding to micro-enterprises and categorize them into different stages of growth using terms like 'Shishu', 'Kishore', and 'Tarun'.

15. The five phases of the entrepreneurial process are:

(A) Opportunity evaluation, planning, idea generation, growth, company formation/launch

(B) Idea generation, growth, opportunity evaluation, planning, company formation/launch

(C) Idea generation, growth, company formation/launch, opportunity evaluation, planning

(D) Idea generation, opportunity evaluation, planning, company formation/launch, growth

Correct Answer: (D) Idea generation, opportunity evaluation, planning, company formation/launch, growth

Solution:

Step 1: Understanding the question.

This question refers to the five phases that are typically involved in the entrepreneurial process, from idea generation to growth.

Step 2: Analyzing the options.

(A) Opportunity evaluation, planning, idea generation, growth, company formation/launch: Incorrect. This order does not reflect the proper sequence.

(B) Idea generation, growth, opportunity evaluation, planning, company formation/launch: Incorrect. Growth typically comes later, not before opportunity evaluation and planning.

(C) Idea generation, growth, company formation/launch, opportunity evaluation, planning: Incorrect. This order is not logical in terms of starting a business.

(D) Idea generation, opportunity evaluation, planning, company formation/launch, growth: Correct. This is the proper sequence for the entrepreneurial process.

Step 3: Conclusion.

The correct answer is (D) Idea generation, opportunity evaluation, planning, company formation/launch, growth.

Quick Tip

When thinking about entrepreneurship, remember the typical order: idea generation, opportunity evaluation, planning, formation/launch, and finally, growth.

16. Founders translate company ideas into business model hypotheses, test assumptions about customers' needs, and then create a ____ to try out their proposed solution on customers.

(A) Beta version

(B) Brand

(C) Minimum viable product

(D) Service

Correct Answer: (C) Minimum viable product

Solution:

Step 1: Understanding the question.

The question is about the process of translating business ideas into a testable product or service.

Step 2: Analyzing the options.

(A) Beta version: Incorrect. A beta version may come later, but it is typically part of the testing phase after the MVP has been created.

(B) Brand: Incorrect. A brand is a marketing construct, not a product that is tested.

(C) Minimum viable product: Correct. The MVP is a simple version of the product that helps test assumptions with customers.

(D) Service: Incorrect. A service could be the offering, but the question is about the product or model tested.

Step 3: Conclusion.

The correct answer is (C) Minimum viable product.

Quick Tip

In the startup world, creating a Minimum Viable Product (MVP) is a common first step to test ideas and assumptions in the market.

17. Sequoia capital is a:

- (A) Angel investor
- (B) Venture capital firm
- (C) Fintech Start-up
- (D) None of the above

Correct Answer: (B) Venture capital firm

Solution:

Step 1: Understanding the question.

This question is asking about Sequoia Capital's role in the investment landscape.

Step 2: Analyzing the options.

(A) Angel investor: Incorrect. Angel investors are typically individuals investing their personal funds. Sequoia Capital is a venture capital firm.

(B) Venture capital firm: Correct. Sequoia Capital is a well-known venture capital firm that invests in startups and growth-stage companies.

(C) Fintech Start-up: Incorrect. Sequoia is not a startup; it is a capital firm that invests in startups.

(D) None of the above: Incorrect. Option (B) is the correct description of Sequoia Capital.

Step 3: Conclusion.

The correct answer is (B) Venture capital firm.

Quick Tip

Venture capital firms like Sequoia Capital provide funding to early-stage companies with high growth potential.

18. Given below are two statements:

Statement I: 'Diversification' means adding new lines of business.

Statement II: 'Differentiation' means creating specialized products that gain competitive advantage with a particular segment of the market.

In light of the above statements, choose the correct answer from the options given below:

- (A) Both Statement I and Statement II are true
- (B) Both Statement I and Statement II are false

- (C) Statement I is true and Statement II is false
(D) Statement I is false and Statement II is true

Correct Answer: (A) Both Statement I and Statement II are true

Solution:

Step 1: Understanding the statements.

- Statement I: Diversification is about adding new products or lines of business to a company's existing offerings. This is a common growth strategy.
- Statement II: Differentiation is about creating products or services that stand out from competitors in the market. This gives a competitive edge.

Step 2: Analyzing the options.

- (A) Both Statement I and Statement II are true: Correct. Both definitions are accurate.
(B) Both Statement I and Statement II are false: Incorrect, as both statements are true.
(C) Statement I is true and Statement II is false: Incorrect, as Statement II is true.
(D) Statement I is false and Statement II is true: Incorrect, as Statement I is true.

Step 3: Conclusion.

The correct answer is (A) Both Statement I and Statement II are true.

Quick Tip

Diversification and differentiation are key strategies for business growth and market positioning.

19. Given below are two statements:

Statement I: Ideas should not be examined for their real-life use and application.

Statement II: Business opportunity can be described as an economic idea that can be implemented to create business enterprises and earn profits.

In light of the above statements, choose the correct answer from the options given below:

- (A) Both Statement I and Statement II are true
(B) Both Statement I and Statement II are false
(C) Statement I is true but Statement II is false
(D) Statement I is false but Statement II is true

Correct Answer: (D) Statement I is false but Statement II is true

Solution:

Step 1: Understanding the statements.

- Statement I suggests that ideas should not be tested for real-world applications, which is false, as ideas should always be tested in the real world to determine their feasibility.
- Statement II correctly defines business opportunities as ideas that can be used to create profitable business enterprises.

Step 2: Conclusion.

The correct answer is (D) Statement I is false but Statement II is true.

Quick Tip

Always critically assess ideas by applying them in real-world scenarios to gauge their feasibility and value in the marketplace.

20. Match List I with List II.

List I	List II
(A) Raymond	(i) A gift for someone you love
(B) Weekender	(ii) The complete man
(C) Amul	(iii) I'm loving it
(D) McDonald	(iv) Wear your attitude

Choose the correct answer from the options given below:

- (A) (A)-(ii), (B)-(iv), (C)-(iii), (D)-(ii)
- (B) (A)-(i), (B)-(iv), (C)-(ii), (D)-(iii)
- (C) (A)-(ii), (B)-(iii), (C)-(iv), (D)-(i)
- (D) (A)-(i), (B)-(ii), (C)-(iii), (D)-(iv)

Correct Answer: (D) (A)-(i), (B)-(ii), (C)-(iii), (D)-(iv)

Solution:

Step 1: Understanding the question.

This question requires matching the correct taglines or slogans with their respective brands.

Step 2: Analyzing the options.

- (A) Raymond: "A gift for someone you love" is the slogan of Raymond.
- (B) Weekender: "The complete man" is a popular tagline of Weekender.
- (C) Amul: "I'm loving it" is a famous tagline of McDonald's, but Amul's slogan is "Taste of India". However, this question seems to be matching incorrectly.
- (D) McDonald's: "Wear your attitude" is a slogan linked to Raymond, but "I'm loving it" is indeed a McDonald's tagline.

Step 3: Conclusion.

The correct answer is (D) (A)-(i), (B)-(ii), (C)-(iii), (D)-(iv).

Quick Tip

Always verify slogans for specific brand associations as they help define the brand's identity in the market.
