

N M A T**(Original questions from previous years' papers)****DI + Reasoning****Direction for questions 1 – 4:** Answer these questions with reference to the Table given below:

NATIONAL AND PER CAPITA INCOME IN INDIA		
(At 1970-71 Prices)		
Year	National Income (Rs. Crore)	Per Capita Income
1970-71	34412	636.1
1971-72	34871	629.1
1972-73	34323	606.0
1973-74	36183	626.0
1974-75	36455	617.9
1975-76	39626	659.3
1976-77	40164	655.2
1977-78	43395	690.0

- In which year the National Income decreased from the previous year?
(A) 1971-72 (B) 1972-73 (C) 1975-76 (D) 1977-78
- In which year was the percent increase in per capita income over the previous year the maximum?
(A) 1971-72 (B) 1973-74 (C) 1975-76 (D) 1977-78
- The number of times the per capita income changes the trend is
(A) 6 (B) 3 (C) 4 (D) 5
- The approximate percentage increase in National Income in 1977 – 78 with 1970-71 as base is
(A) 26% (B) 31% (C) 21% (D) 15%

Directions for questions 5 – 6: From the four-lettered word given below, select that word which best completes the analogy that exists among the three capitalised words.

- KING : ROYAL :: ? : RELIGIOUS**
(A) Prayer (B) Saint (C) Priesthood (D) Holy Book
- HILL : MOUNTAIN :: ? : PAIN**
(A) Distress (B) Discomfort (C) Headache (D) Fear

Directions for questions 7 – 9: Each of these questions is followed by two Statements (I and II). You have to decide whether the two statements are individually, severally or jointly sufficient to answer the given question. Mark your answer as

- (A) If statement I alone is sufficient to answer the given question,
- (B) If statement II alone is sufficient to answer the given question,
- (C) If neither statement I nor II is sufficient to answer the given question and
- (D) If both the statements are individually or collectively sufficient to answer the given question.

7. When did Aditya reach Mumbai?

Statements: (I) The train by which Aditya was coming takes 18 hours to reach Mumbai from Delhi.
(II) Aditya left for Mumbai on Tuesday night.

8. What colour dress is Shweta wearing for the party?

Statements: (I) Shweta is dressed as per the dress code of the party.
(II) The dress code of the party, is black and white formals.

9. What profession does Mr. Vivek belong to?

Statements: (I) Mr. Vivek is well known for his excellence in imparting knowledge.
(II) Teaching is one of the professions he is fascinated with.

Directions for questions 10 – 12: Given signs signify something and on that basis, in each of these questions, assuming the given statements to be true, find which of the two conclusions I and II given below them is/are definitely true?

$P + Q$ means P is greater than Q

$P \times Q$ means P is greater than or equal to Q

$P = Q$ means P is equal to Q

P/Q means P is less than Q

$P - Q$ means P is less than or equal to Q

Mark your answer as:

(A) If only conclusion I is true

(B) If only conclusion II is true

(C) If neither conclusion I nor II is true

(D) If both the conclusions I and II are true

10. **Statements:** $A + B$ $C - D$ $D \times A$

Conclusions: (I) $C + A$ (II) C/B

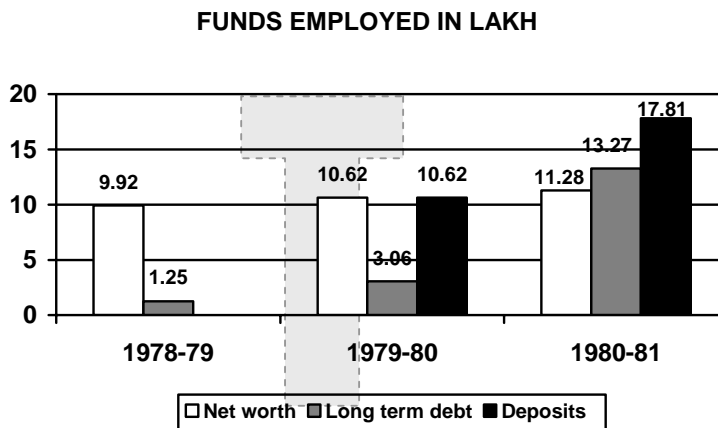
11. **Statements:** X/Y $W \times Z$ $Z + Y$

Conclusions: (I) $W + Y$ (II) X/Z

12. **Statements:** $S \times Q$ $R + T$ $R - S$

Conclusions: (I) $S + T$ (II) $Q = T$

Directions for questions 13 – 15: Answer these questions with reference to the graph given below:



13. The total increase in the net worth and the long term debt of the company in 1979-80 over that in 1978-79 as a percentage was approximately:
 (A) 3% (B) 7% (C) 18% (D) 22%

14. In 1979-80, the increase in long term debt over that in the previous year was approximately
 (A) 2 times (B) 3 times (C) 0.4 times (D) 4 times

15. Which of the following statements is necessarily true in the context of the given graph?
 (A) The average funds employed in the year 1980-81 was equal to that of the total funds employed in the year 1978-79.
 (B) The graph shows a decreasing trend in the amount of funds employed for the given period from 1978-79 to 1980-81.
 (C) The total funds employed in 1979-80 was equal to that employed in the year 1980-81.
 (D) The total funds employed almost doubled every year for the given period from 1978-79 to 1980-81.

Direction for questions 16 – 18: Each of the following questions has two statements following the question. Use the data given in statements I and II to decide whether these statements are sufficient to answer the question. Give your answer as:

- (A) If statement I is sufficient to answer the question, but statement II by itself is not sufficient to answer the question.
- (B) If statement II is sufficient to answer the question, but statement I is not sufficient to answer the question.
- (C) If both statements I and II together are necessary to answer the question, but neither statement alone is sufficient.
- (D) If neither statement I nor statement II is sufficient to answer the question but more data is needed.

16. How long did the 500 km journey with 10 stopovers take Mr. X?
(I) The i th stopover lasted i^2 minutes.
(II) The average speed between any two stopovers was 66 km per hour.
17. A man distributed 43 chocolates to his children. How many of his children are older than five years?
(I) A child older than five years gets 5 chocolates.
(II) A child five years or younger gets 6 chocolates.
18. If R is an integer between 1 and 9 and $P - R = 2370$, what is the value of R?
(I) P is divisible by 4. (II) P is divisible by 9.

Direction for questions 19 – 20: In a certain code language

- I. 'pitna som' means 'bring me water'.
II. 'no jo tod' means 'water is life'.
III. 'tub od pit' means 'give me toy'
IV. 'jo lin kot' means 'life and death'.
19. Which of the following represents 'is' in that language?
(A) jo (B) na (C) tod (D) lin
20. To find out the answer to the above question, which of the following statements can be dispensed with?
(A) a only (B) c only (C) d only (D) b or c only

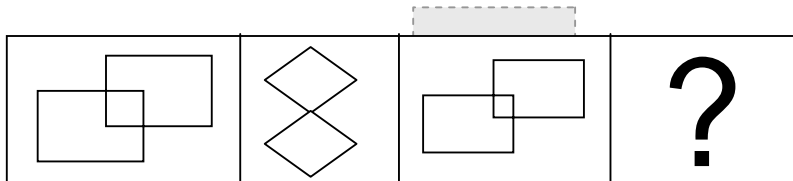
Direction for questions 21 – 22: Read the following paragraph and answer the questions given below it.

There are four friends Anil, Sushil, Raju and Harish. One of them is a cricketer and studies Chemistry and Biology. Anil and Sushil play football. Anil studies commerce. Both the football players study Mathematics. Harish is boxer. One football player also studies Physics. The boxer studies Mathematics and Accountancy. All the friends study two subjects each and play one game each.

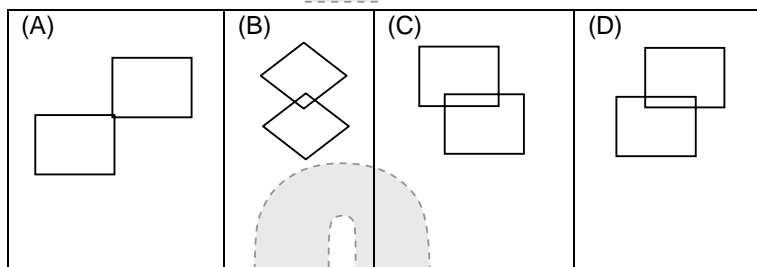
21. Who is a cricketer?
(A) Anil (B) Raj (C) Sushil (D) Harish
22. Who does not study Mathematics?
(A) Raj (B) Harish (C) Both Raj and Harish (D) Anil

Directions for questions 23 – 25: The following figures constitute the question or the problem. Find out which would be the next figure from the answer figures or which one figure will replace the question mark.

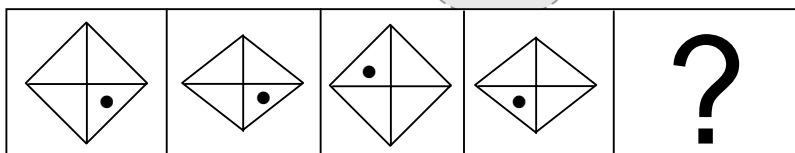
23. **Question Figure:**



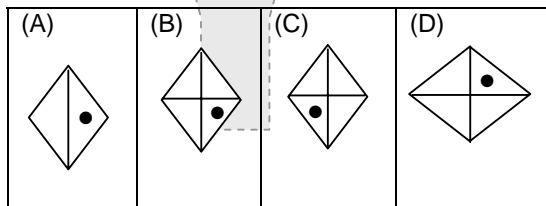
Answer Figures:



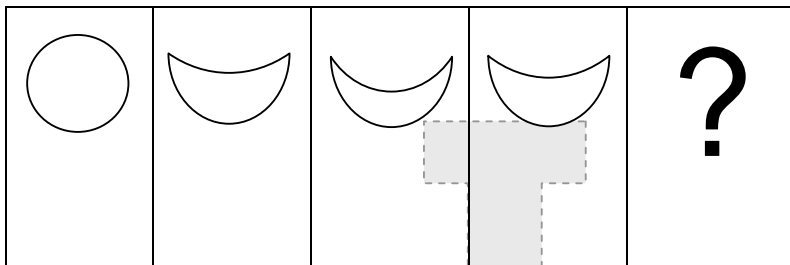
24. **Question Figure:**



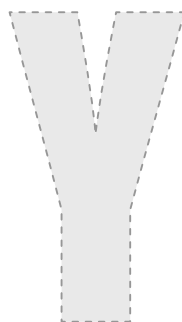
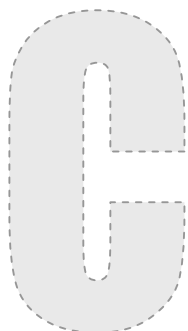
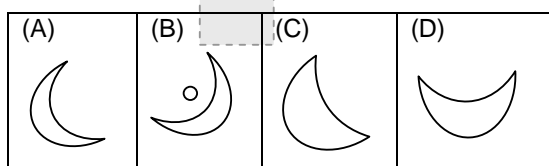
Answer Figure:



25. Question Figure:



Answer Figure:



ANSWERS

- | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|
| 1. (B) | 2. (C) | 3. (A) | 4. (A) | 5. (D) | 6. (A) | 7. (C) | 8. (D) |
| 9. (B) | 10. (C) | 11. (D) | 12. (A) | 13. (D) | 14. (A) | 15. (D) | 16. (C) |
| 17. (C) | 18. (B) | 19. (C) | 20. (B) | 21. (B) | 22. (A) | 23. (B) | 24. (B) |
| 25. (D) | | | | | | | |