

18

Practice Set

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

240, 120, ?, 180, 360, 900

- (a) 148 (b) 150
(c) 120 (d) 130

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

7, 11, 14, 25, 29, 55, ?

- (a) 59 (b) 95
(c) 60 (d) 90

3. Select the option figure in which the given figure is embedded (rotation is NOT allowed).



- (a) (b)
(c) (d)

4. Which of the option figures when rotated 180° clockwise and then 45° anticlockwise will result in the given question figure?



- (a) (b)
(c) (d)

5. The average score (runs/match) of Mithali before the start of the women's national series was 45. In the women's national series of 10 matches, her total score was 500 runs. Find the total number of matches played by her till date, if her new average after the series is 47.5.

- (a) 28 (b) 20
(c) 38 (d) 30

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

7 : 56 :: 11 : ?

- (a) 101 (b) 77
(c) 98 (d) 132

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

Q _ T _ S _ K _ R _ _ K _ R S

- (a) KRQTSQT (b) KRQTSKT
(c) KRTRSQT (d) KRQTSQR

8. Select the correct combination of mathematical signs that can sequentially replace the * signs and balance the given equation.

$34 * 17 * 54 * 18 * 6 * 56$

- (a) $\div, -, +, \times, =$ (b) $\div, -, \times, +, =$
(c) $\times, +, \div, -, =$ (d) $+, \div, \times, -, =$

9. Select the correct water image of the given combination of numbers.

8 9 6 5 4 2 3

- (a) (b)
(c) (d)

10. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

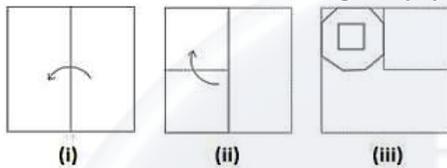
Statements: No police officer is a doctor.
Some doctors are specialists.
All engineers are doctors.



- Conclusions:** I. Some engineers are police officers.
 II. No engineer is a police officer.
 III. Some doctors are engineers.

- (a) Only conclusions II and III follow.
 (b) Either conclusion I or II and III follow(s).
 (c) Only conclusion II follows.
 (d) Only conclusions I and II follow.

11. The sequence of folding a piece of paper (figures i and ii) and the manner in which the folded paper has been cut (figure iii) is shown in the following figures. Select the option that would most closely resemble the unfolded form of figure (iii).



- (a) (b)
 (c) (d)

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

DJRZ, HDZP, LXHF, PRPV, ?

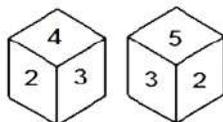
- (a) ULYL (b) TLXM
 (c) TLXL (d) TMXK

13. Select the number that can replace the question mark (?) in the given table.

5	16	77
8	19	149
13	12	?

- (a) 153 (b) 155
 (c) 157 (d) 151

14. Two different positions of the same dice are shown, the six faces of which are numbered from 1 to 6. Select the number that will be on the face opposite to the one having 4.



- (a) 2 (b) 6
 (c) 5 (d) 1

15. In a certain code language, 'cool drinks available here' is written as 'bhu man juk lop', 'available lost objects here' is written as 'gan bhu nut juk', 'be cool search objects' is written as 'vax der man nut', and 'available drinks desert search' is written as 'but juk der lop'.

How will 'lost drinks' be written in that language?

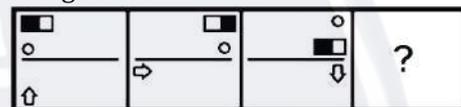
- (a) nut gan (b) gan lop
 (c) juk gan (d) lop bhu

16. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter cluster.

KCH : GXS :: TJD : ?

- (a) PNH (b) PQW
 (c) QNW (d) QMX

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



- (a) (b)
 (c) (d)

18. Five friends, Vishnu, Chirag, Raina, Kavya and Surbhi, are sitting around a circular table, facing the centre. Vishnu is to the immediate right of Kavya. Chirag is third to the left of Kavya. Surbhi is not adjacent to Chirag. Who is second to the left of Kavya?

- (a) Chirag (b) Vishnu
 (c) Surbhi (d) Raina

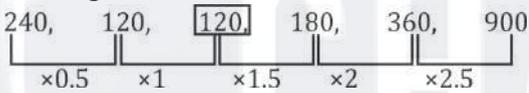
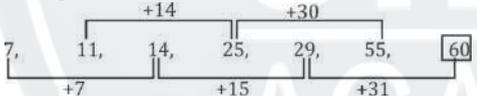
19. Select the Venn diagram that best represents the relationship between the following.

Human, Teacher, Clerk, Peon

- (a) (b)
 (c) (d)

20. Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.
 (a) SYGM (b) DBJH
 (c) LRPV (d) CNDV
21. In a certain code language, 'MANIA' is written as 'NZOHZ' and 'PROUD' is written as 'QSNT E'. How will 'DONKEY' be written in that language?
 (a) EPOLFZ (b) ENOLDZ
 (c) ENPLDX (d) CNONDZ
22. If the numbers 15 and 21 are interchanged, then which of the following equations will be correctly balanced?
 (a) $62 \div 31 - 21 + 15 \times 3 = 80$
 (b) $26 + 21 \times 15 \div 3 - 14 = 108$
 (c) $24 - 21 \div 3 + 15 - 7 = 23$
 (d) $63 \div 15 + 21 \times 5 - 4 = 74$
23. If Arpita is the only daughter of Pritam's wife's mother's husband, then how is Arpita related to Pritam's son?
 (a) Paternal granddaughter
 (b) Sister
 (c) Mother
 (d) Daughter
24. In a certain code language, LOOK is coded as 2330 and BALL is coded as 1413. How will HELP be coded in that language?
 (a) 2417 (b) 3461
 (c) 2415 (d) 2420
25. Select the correct option that indicates the arrangement of the given words in a logical and meaningful order.
 1. Displaying 2. Sketching
 3. Colouring 4. Framing
 (a) 4, 3, 1, 2 (b) 2, 3, 4, 1
 (c) 2, 1, 4, 3 (d) 3, 4, 2, 1

Solutions

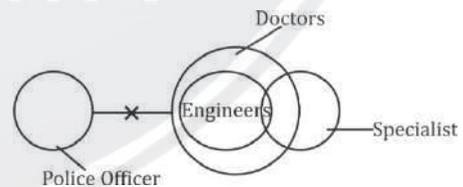
1. (c): The Logic here is

 Hence 120 is the correct answer.
2. (c): The pattern follow here is

 Hence 60 is the correct answer.
3. (b):
4. (a):
5. (b): Let the number of matches before national series start = x
 Now,
 According to question,
 $\frac{45x+500}{x+10} = 47.5$
 $\Rightarrow x = 10$
 The total number of matches played = $10 + 10 = 20$
6. (d): The pattern followed here is
 7: $56 \rightarrow 7 \times 8 = 56$
 11: $132 \rightarrow 11 \times 12 = 132$
 Hence 132 is the correct answer.

7. (a): The series will be
 $Q \underline{K} \underline{T} \underline{R} S / Q \underline{K} \underline{T} \underline{R} S / Q \underline{K} \underline{T} \underline{R} S$
 Hence KRQT SQ T is the correct answer.

8. (a): $34 \div 17 - 54 + 18 \times 6 = 56$
 $2 - 54 + 108 = 56$
 $\Rightarrow 56 = 56$
 Hence $(\div, -, +, \times, =)$ is the correct option

9. (a):

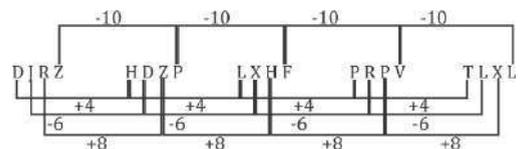
10. (a):



Hence only conclusion II and III follows.

11. (a):

12. (c):



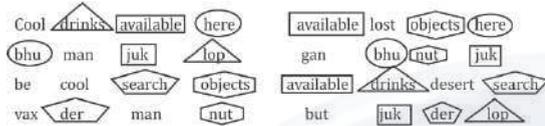
Hence 'TLXL' is the correct option



13. (a): The pattern follow is
 Row I → 5, 16, 77 → $5 \times 16 - 3 = 77$
 Row II → 8, 19, 149 → $8 \times 19 - 3 = 149$
 Similarly, 13, 12, ? → $13 \times 12 - 3 = 153$
 Hence 153 is the correct answer.

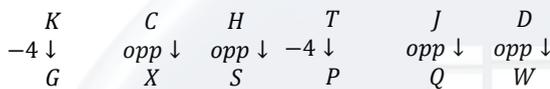
14. (c): Opposite face of 4 having number 5.

15. (b):



So, 'lost drink' means 'gan lop'

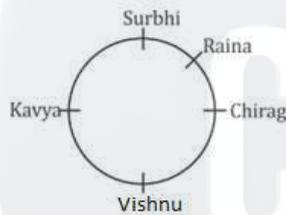
16. (b):



Hence PQW is the correct answer.

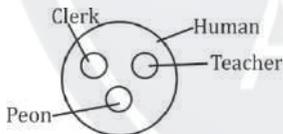
17. (c):

18. (d):



Hence Raina is second left of Kavya.

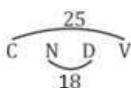
19. (c):



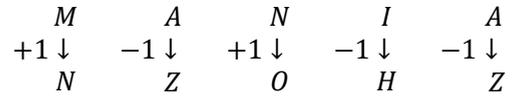
20. (d):



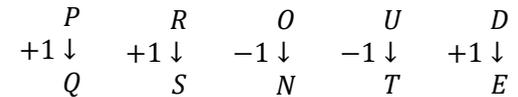
Alphabetic sum of first and fourth letter is equals to the sum of second and third letter.
 So, Option (d)



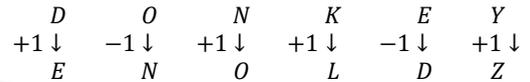
21. (b): The pattern is



And,



Similarly,

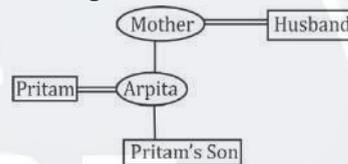


22. (d): $63 \div 15 + 21 \times 5 - 4 = 74$

Interchange 15 and 21
 $63 \div 21 + 15 \times 5 - 4 = 74$
 $3 + 75 - 4 = 74$
 $\Rightarrow 74 = 74$

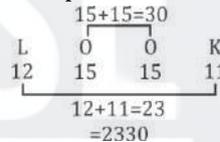
Hence option (d) is the correct answer.

23. (c): The logic is

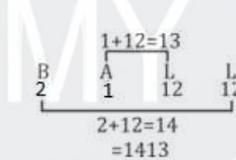


So, Arpita is the mother of Pritam's Son.

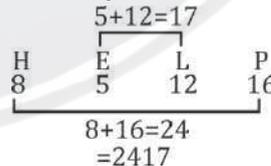
24. (a): The pattern follows here is



And,



Similarly,



Hence HELP is coded as 2417.

25. (b): The meaningful arrangement is
 Sketching - colouring - framing - Displaying

