

Directions—(Q. 1 to 9) Select the related letter/word/number from the given alternatives—

1. SKIT : TIKS :: ? : FLAP
 (A) PLFA (B) PFAL
 (C) PLAF (D) PALF

2. 6 : 72 :: 8 : ?
 (A) 94 (B) 96
 (C) 74 (D) 92

3. 6 : 36 :: 9 : ?
 (A) 81 (B) 98
 (C) 42 (D) 56

4. 384 : ? :: 216 : 63
 (A) 128 (B) 124
 (C) 112 (D) 192

5. Asthma : Lungs :: Conjunctivitis : ?
 (A) Bones (B) Teeth
 (C) Eyes (D) Blood

6. Communicable disease : Malaria :: Non-communicable disease : ?
 (A) Tuberculosis
 (B) Hepatitis
 (C) AIDS
 (D) Cancer

7. Thermometer : Temperature :: Glucometer : ?
 (A) Body sugar
 (B) Body resistance
 (C) Blood
 (D) Blood sugar

8. Dismay : Joy :: Tend : ?
 (A) Regret
 (B) Ignore
 (C) Negligible
 (D) Spoil

9. DCBA : WXYZ :: ? : ZYXW
 (A) ABCD (B) ABDC
 (C) CBAD (D) BCDA

Directions—(Q. 10 to 14) Find the odd word/number/letters from the given alternatives—

10. (A) 4249 (B) 7586
 (C) 4623 (D) 9781

11. (A) ee gg ii kk (B) pp rr tt uu
 (C) bb dd ff hh (D) ll mm oo qq

12. (A) X (B) P
 (C) D (D) I

13. (A) Pen (B) Letter-head
 (C) Paper (D) Envelope

14. (A) Reed (B) Pit
 (C) Tab (D) Hold

Directions—(Q. 15 to 23) A series are given, with one term missing. Choose the correct alternative from the given one that will complete the series—

15. CDF, DEG, EFH, ... ?
 (A) FHG (B) EFI
 (C) FGH (D) FGI

16. ZA, VC, RE, NG, ... , FK
 (A) OH (B) KI
 (C) IJ (D) JI

17. 4, 16, 36, ... , 100
 (A) 56 (B) 64
 (C) 48 (D) 52

18. 2, 3, 10, 15, 26, ... ?
 (A) 30 (B) 52
 (C) 35 (D) 24

19. 12, 23, 34, 45, ... , 67, 78, 89
 (A) 76 (B) 69
 (C) 56 (D) 54

20. EAB, GCD, MIJ, ... ?
 (A) ROP (B) QOP
 (C) OKL (D) FOP

21. ACE, BDF, GIK, ... ?
 (A) JHM (B) HJI
 (C) HJL (D) MJH

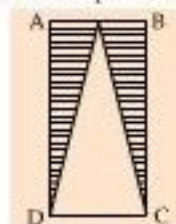
22. WBP, SGM, OIJ, ... ?
 (A) NPH (B) KQG
 (C) LPG (D) MQG

23. DEF, HIJ, MNO, ... ?
 (A) RTV (B) SRQ
 (C) RST (D) STU

24. If $20 + 15 = 24$ and $64 + 13 = 42$, then $11 + 28 = ?$

- (A) 33 (B) 36
 (C) 31 (D) 34

25. In the diagram alongside, $AD = 2AB = d$. What is the area of the shaded portion ?



- (A) $2d^2$ (B) $\frac{d}{2}$
 (C) $\frac{d^2}{2}$ (D) $\frac{d^2}{4}$

26. Find out the set among the four sets which is like the given set.

Given set : (9, 27, 108)

- (A) (15, 45, 90) (B) (8, 32, 96)
 (C) (5, 15, 75) (D) (11, 33, 132)

27. Number of letters skipped in between adjacent letters in the series is two. Which one of the following alternatives observes this rule ?

- (A) UROLIF (B) WTQNKJ
 (C) SPMLI (D) TSPNKH

28. Choose the synonym for the given word from the given options.

'Exposition'

- (A) Examination
 (B) Expression
 (C) Elucidation
 (D) Revelation

29. Some equations are solved on the basis of a certain principle. On the same basis, find the correct answer from among the alternatives given.

$27(18)3; 216(180)6; 729(?)9$

- (A) 810 (B) 700
 (C) 81 (D) 648

30. Karan facing towards South moved straight 2 km and from there, turned to his right 90° and travelled 2 km. Then, he took a 45° turn to his left and travelled 1 km. Where would he be now with respect to the starting point?

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

31. Reena walks 4 km East and then cycles 10 km North, turns to the left and covers 4 km and once again turns to the North and moves 2 km. How far is she from the starting point?

- (A) 10 km (B) 14 km
(C) 8 km (D) 12 km

32. Laxmi started walking Southwards and after covering a distance of 30 m, she turned left. She walked 25 metre, and turned to the left and again walked 30 metre. How far is she from the starting point and in which direction?

- (A) 20 m West (B) 25 m West
(C) 25 m East (D) 30 m East

33. In a certain code, 'CAPITAL' is written as 'CPATILA'. How is 'PERSONS' written in that code?

- (A) PSONRES
(B) PONSRES
(C) PESONRS
(D) PREOSSN

34. If PAINT is coded as 74128 and EXCEL is coded as 93596, then how would you encode ACCEPT?

- (A) 455978 (B) 735961
(C) 554978 (D) 547978

35. In the following problem—

- = Stand for +
+ stands for -
x stands for =
- stands for >
> stands for +
< stands for x
+ stands for <

When these new symbols are substituted, only one will be correct. Identify the correct equation—

(A) $24 - 4 > 5 \times 17 + 13$

(B) $24 - 4 + 2 \times 17 + 13$

(C) $24 - 4 > 5 \times 17 > 13$

(D) $24 + 4 = 5 \times 17 + 13$

36. Two statements are followed by two assumptions I and II. You have to consider the statements to be true, even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, definitely follows from the given statements.

Statements :

- Parental role in the education of their children is very significant.
- All parents must realise this.

Conclusions :

- Parentless children cannot develop to their maximum potential.
- Parents can help their children in their education.

(A) Neither conclusion I nor II follows

(B) Both conclusions I and II follow

(C) Only conclusion I follows

(D) Only conclusion II follows

37. Find out the number which does not belong to the group of ABCD—

(A) $3 \begin{matrix} 8 \\ 48 \\ 5 \end{matrix} 4$ (B) $5 \begin{matrix} 8 \\ 24 \\ 3 \end{matrix} 2$

(C) $4 \begin{matrix} 7 \\ 112 \\ 5 \end{matrix} 8$ (D) $7 \begin{matrix} 5 \\ 22 \\ 3 \end{matrix} 2$

Directions—(Q. 38 to 40) Select the missing number from the given responses—

38. $\begin{matrix} 5 & 7 & 4 & 39 \\ 6 & 9 & 5 & 59 \\ 7 & 11 & ? & 83 \end{matrix}$

- (A) 6 (B) 7
(C) 4 (D) 8

39. $\begin{matrix} 8 & 16 & 10 \\ 2 & 8 & 5 \\ 4 & ? & 9 \\ 8 & 5 & 9 \end{matrix}$

- (A) 2 (B) 5
(C) 4 (D) 3

40. $\begin{matrix} 8 & (14) & 15 \\ 13 & (18) & 22 \\ 25 & (?) & 41 \end{matrix}$

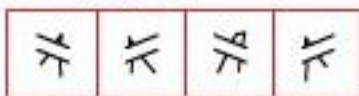
- (A) 33 (B) 42
(C) 14 (D) 36

41. Which answer figure will complete the question figure?

Question figure :



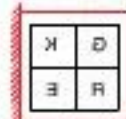
Answer figures :



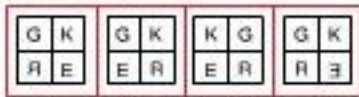
- (A) (B) (C) (D)

42. Which of the answer figures is exactly the mirror image of the given figures, when the mirror is held as shown?

Question figure :



Answer figures :



- (A) (B) (C) (D)

43. A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in the 2 matrices given below. The columns and rows of matrix I are numbered from 0 to 4 and that of matrix II from 5 to 9. A letter from these matrices can be represented first by its row and next column number. e.g., 'F' can be represented by 14, 21 etc. 'S' can be represented by 58, 96 etc. similarly, identify the word TRIP.

MATRIX I

MATRIX II

	0	1	2	3	4		5	6	7	8	9
0	D	E	F	I	N	5	O	P	R	S	T
1	I	N	D	E	F	6	S	T	O	P	R
2	E	F	I	N	D	7	P	R	S	T	O
3	N	D	E	F	I	8	T	O	P	R	S
4	F	I	N	D	E	9	R	S	T	O	P

(A) 78, 76, 21, 76

(B) 59, 57, 41, 56

(C) 85, 88, 33, 89

(D) 66, 69, 40, 69

44. Select the answer figure in which the question figure is hidden—

Question figure :



Answer figures :



(A)

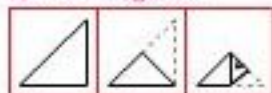
(B)

(C)

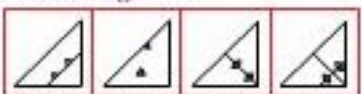
(D)

45. A triangular sheet of paper has been folded and punched as shown in the figure. You have to figure out from amongst the four response figures, how it will appear when opened ?

Question figures :



Answer figures :



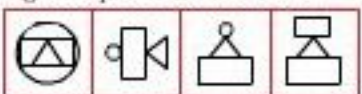
(A)

(B)

(C)

(D)

46. If a person has intelligence, character and position, which figure represents all of these ?



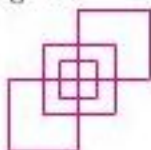
(A)

(B)

(C)

(D)

47. How many squares are there in a given figure ?



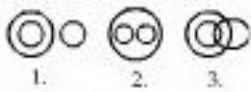
(A) 12

(B) 13

(C) 10

(D) 11

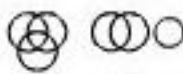
48. Which figure represents the relationship among Hockey players, Rubber balls, Poets ?



1.

2.

3.



4.

5.

(A) 1

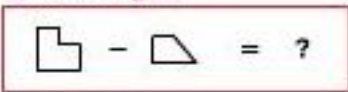
(B) 4

(C) 2

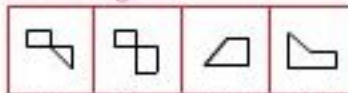
(D) 5

49. In the question, one part of the problem figure is subtracted. Select the option that shows the correct shape after subtraction—

Question figure :



Answer figures :



(A)

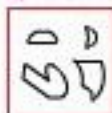
(B)

(C)

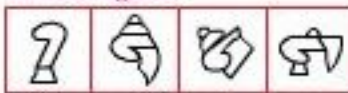
(D)

50. Identify the answer figure from which the pieces given in question figure have been cut—

Question figure :



Answer figures :



(A)

(B)

(C)

(D)