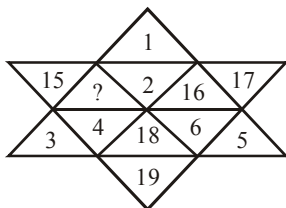


Direction (Q.1 to Q.3): In each of the following question there is a number series with one term missing shown by question mark (?). This term is one of the alternative given. Choose the number.

1. 0, 6, 24, 60, 120, ?
(1) 180 (2) 200 (3) 210 (4) 220
2. 8, 7, 16, 5, 32, 3, 64, 1, 128, ?
(1) 2 (2) -1 (3) 3 (4) 13
3. 22, 15, 8, 1, ?, -13
(1) 8 (2) -8 (3) -6 (4) 0

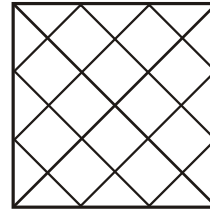
Direction (Q.4 to Q.6) : There is a letter series with some term missing shown by (?). Find these letters from the 4 alternatives given.

4. aba _ bca _ ac _ cab _ cbc
(1) cbba (2) bbbb (3) ccba (4) caac
5. OBDR, QACT, SZBV, (?), WXZZ
(1) ASVD (2) WUWZ (3) YTVB (4) UYAX
6. ak, eo, is, ?, qa, ue
(1) mw (2) iw (3) lv (4) nx
7. In a certain code, PRACTICE is written PARTCCIE. How is TRAINS written in the same Code ?
(1) TARNIS (2) TAIRNS
(3) TANRIS (4) TARINS
8. If BLOOD is coded as 24113, BURST is coded as 20678. Code ROBUST will be ?
(1) 678102 (2) 610732
(3) 620781 (4) 612078
9. If ghost is coded as hoste then code rose in the same manner
(1) pose (2) dsep (3) oser (4) osep
10. In a certain code language '123' means "Disuza read book"; "245" means "Fernadese likes Disuza" which of the numerical symbols in that language stands for "reads" ?
(1) 1 (2) 2 (3) 3 (4) 4
11. The number given in the figure are according to some rules. Get the rule and find out the proper option for the blank cell (?)



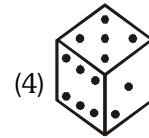
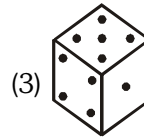
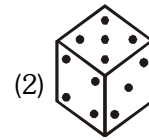
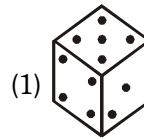
- (1) 21 (2) 20 (3) 14 (4) 13

12. The number of triangles in figure are



- (1) 26 (2) 30 (3) 36 (4) 40

13. If the sum of opposite faces of dice is 7 then, which diagram is correctly labelled ?



14. Suppose a three centimetre cube has been painted green on all its sides. If is cut into one centimeter cubes, how many cubes will be there with three sides painted green ?
(1) 0 (2) 6 (3) 8 (4) 12
15. If 8 men or 12 women can do a piece of work in 25 days, in how many days can the work be done by 6 men and 11 women working together ?
(1) 5 (2) 15 (3) 25 (4) 20

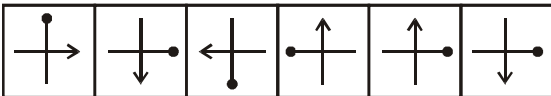
Directions (Q.16 & Q.17) : In a class of 33 students, 20 play cricket, 25 football, and 18 volleyball, 15 play both cricket and football, 12 football and volleyball and 10 cricket and volleyball. If each student plays at least one game

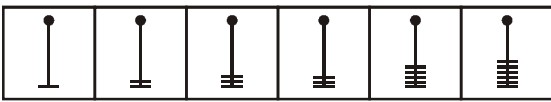
16. How many play only cricket ?
(1) 2 (2) 4 (3) 7 (4) 8
17. How many play all 3 games ?
(1) 2 (2) 4 (3) 7 (4) 8
18. At an examination 7,500 candidates appeared. Each offered either computer or physics or both. If 75% offered computer and 45% offered physics. How many offered both ?
(1) 1000 (2) 1500 (3) 1750 (4) 2000


19. John sits on the right of Jack. Jack sits between Tom and Harry. Who sits farthest from the left ?
 (1) John (2) Jack (3) Tom (4) Harry

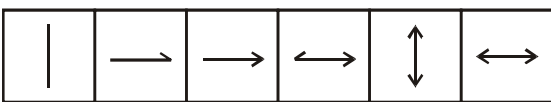
20. Which of the following comes third in dictionary ?
 (1) Measler (2) Meals
 (3) Marbles (4) Metals

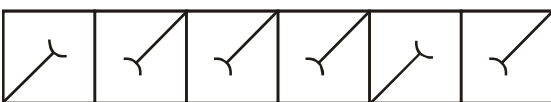
Directions (Q.21 to Q.25) : In each of the following questions a series begins with the figure on the extreme left. One and only of the four numbered (1, 2, 3, 4) figures in the series does not fit into the series. The number of that figure is the answer.

21. 
 (1) (2) (3) (4)

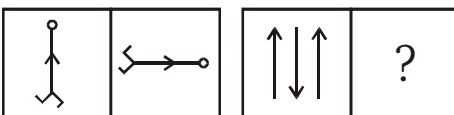
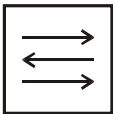
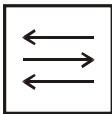
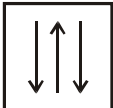
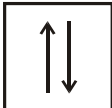
22. 
 (1) (2) (3) (4)

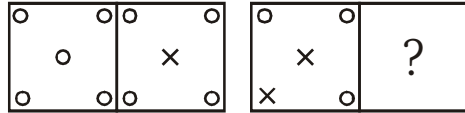
23. 
 (1) (2) (3) (4)

24. 
 (1) (2) (3) (4)

25. 
 (1) (2) (3) (4)


Direction (Q.26 to Q.30) : The first two figures bear a definite relation with each other. Bearing that relation in mind pickup the fourth figure from the answer figures.

26. 
 (1)  (2) 
 (3)  (4) 

27. 

(1)  (2) 

(3)  (4) 

28. 

(1)  (2) 

(3)  (4) 

29. 

(1)  (2) 

(3)  (4) 

30. 

(1)  (2) 

(3)  (4) 

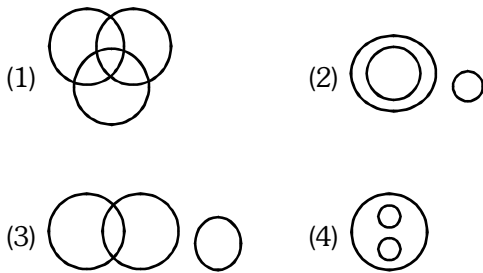
Direction (Q.31 to Q.35) : In each of the following questions, there is a relationship between the two terms (word pairs). Find the same relationship among the choices which follow the pattern of the two words.

- 31.** Enormous : Huge
 (1) rough : rock (2) muddy : unclear
 (3) purse : kitchen (4) white : flower
- 32.** Warm : Hot
 (1) Climate : Weather (2) Right : Genius
 (3) Frown : Anger (4) Glue : Paste
- 33.** Frame : Picture
 (1) Roof : Building (2) Chair : Room
 (3) Cup : Saucer (4) Table : Floor
- 34.** Cloth : Texture
 (1) Wool : Silk (2) Book : Text
 (3) Wood : Grain (4) Wall : Frame
- 35.** Diet : Weight
 (1) Drug : Pain (2) Dinner : Supper
 (3) Bread : Starchy (4) Food : Sugar
- 36.** The sum of the present ages of X, Y and Z is 90 years. 6 year ago their ages were in the ratio of 1 : 2 : 3. What is Z's present age ?
 (1) 36 year (2) 30 year
 (3) 32 year (4) 48 year
- 37.** The number of girls in a class is 5 times the number of boys. Which of the following number cannot be the total number of children in the class ?
 (1) 24 (2) 30 (3) 35 (4) 42
- 38.** X is 25 meter to the west of B, C is 40 meter to the east of X and D is 45 meter to the west of B. If all are standing along a straight line, how far is X from D ?
 (1) 15 meter (2) 20 meter
 (3) 60 meter (4) 70 meter
- 39.** Arun walks north-east and after some distance turns left and walks straight then again he turns left. In which direction is he going now ?
 (1) South-West (2) West
 (3) East (4) North
- 40.** X and Y are children of A. A is the father of X but Y is not the son of A. What is Y to A ?
 (1) Sister (2) Brother
 (3) Daughter (4) Son

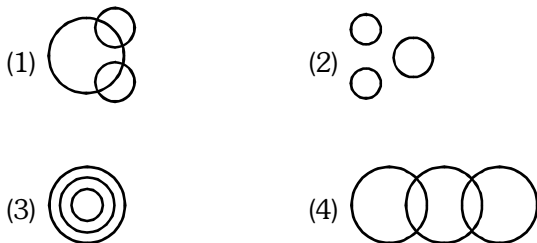
- 41.** A year is a leap year, in this 1st February is Sunday. Then which day will be on 1st March of the same year
 (1) Sunday (2) Monday
 (3) Tuesday (4) Saturday
- 42.** Which pair of the month among following have same last day
 (1) March-August (2) May-December
 (3) April-December (4) June-November
- Direction (Q.43 to Q.46) :** Below are given some symbols indicating some terms given opposite to them. Read these symbols carefully and then answer the questions.
 Δ = greater than, θ = equal to, \square = not less than, \times = less than, $+$ = not greater than, \emptyset = not equal to, μ = square of and \div = square root of.
- 43.** $b \square c \theta a$ implies that
 (1) $b \square a \theta c$ (2) $c \times b \times a$
 (3) $c \Delta b \Delta a$ (4) $a \square b \square c$
- 44.** $a \square b \Delta c$ implies that
 (1) $b \square c \square a$ (2) $b \square c + a$
 (3) $c \square b + a$ (4) $a \theta b \Delta c$
- 45.** $a \Delta b \times c$ does not imply that
 (1) $b \emptyset c \emptyset c$ (2) $c \Delta b \times a$
 (3) $c \square b + a$ (4) $a \Delta c \Delta b$
- 46.** $a \Delta b \theta c$ implies that
 (1) $c \times a \Delta b$ (2) $c \Delta a \emptyset b$
 (3) $a \Delta b \Delta c$ (4) $a \Delta c \Delta b$
- 47.** If $+$ means \div , \div means \times and \times means $+$, then what will be the value of $48 + 16 - 4 \div 2 \times 8 = ?$
 (1) 6 (2) 3 (3) 36 (4) 113
- 48.** If $\times = +$, $- = \div$, $\div = -$; $+= \times$; then which statement is correct is correct
 (1) $16 + 5 - 10 \times 4 \div 3 = 9$
 (2) $16 + 5 \div 10 \times 4 - 3 = 9$
 (3) $16 - 5 \times 10 \div 4 + 3 = 12$
 (4) $16 \times 5 \div 10 + 4 - 3 = 19$
- 49.** A person while looking at the clock mistook the long hand for short hand. He found that the time was 2 minutes past 6. What was the right time ?
 (1) 11 : 20 (2) 12 : 30
 (3) 2 : 30 (4) 3 : 30
- 50.** Write the following jumbled letters in the same order as in alphabet
 'URPIGHT'
 (1) G H I P R T U (2) G H P I U T R
 (3) H G P R U T I (4) I H G P R U T

Directions(Q.51 to Q.53): Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.

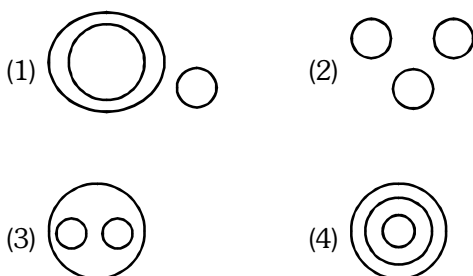
51. A, CD, GHI, ?, UVWXY
 (1) KLMN (2) LMNO
 (3) MNOP (4) NOPQ
52. ADVENTURE, DVENTURE, DVENTUR, ?, VENTU
 (1) VENTUR (2) VENTURE
 (3) DVENT (4) DVENTU
53. UPI, ?, ODP, MBQ, IAW
 (1) SIJ (2) SHJ (3) RHJ (4) TIJ
54. Which of the following diagrams indicates the relation between Judge, Thieves and Criminals ?



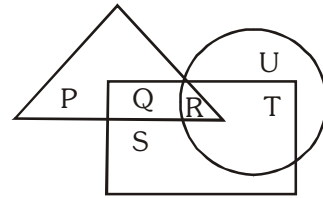
55. Which of the following diagrams indicates the relation between Iron, Lead and Nitrogen?



56. Which of the following diagrams indicates the relation between Bulb, Lamp and light ?

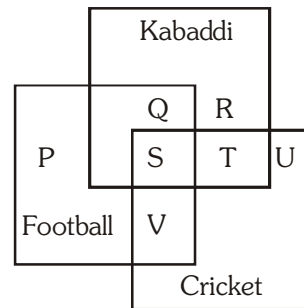


57. In the following figure, triangle represents 'girls', square, 'players' and circle, 'coach'. Which part of the diagram represents the girls who are players but not coach ?



- (1) P (2) Q (3) R (4) S

58. The diagram given below represents those students who play Cricket, Football and Kabaddi. Study the diagram and identify the students who play all three games.



- (1) P + Q + R (2) V + T
 (3) S + T + V (4) S

Directions(Q.59 to Q.62): P, Q, R, S, T, U, V and W are sitting round the circle and are facing the centre:

- P is second to the right of T who is the neighbour of R and V.
- S is not the neighbour of P.
- V is the neighbour of U.
- Q is not between S and W, and W is not between U and S.

Answer the questions from the above sitting arrangement.

59. Who two of the following are not neighbours ?
 (1) RV (2) UV (3) RP (4) QW
60. Who is immediate right to the V ?
 (1) P (2) U (3) R (4) T
61. Which of the following is correct ?
 (1) P is to the immediate right of Q
 (2) R is between U and V
 (3) Q is to the immediate left of W
 (4) U is between W and S

62. What is the position of S ?
 (1) Between U and V
 (2) Second to the right of P
 (3) To the immediate right of W
 (4) Data inadequate

Directions(Q.63 to Q.66): Five girls are sitting on a bench to be photographed Seema is to the left of Rani and to the right of Bindu, Mary is to the right of Rani. Reeta is between Rani and Mary. Answer the questions from the above sitting arrangement.

63. Who is sitting immediate right to Reeta ?
 (1) Bindu (2) Rani
 (3) Mary (4) Seema
64. Who is in the middle of the photograph ?
 (1) Bindu (2) Rani
 (3) Reeta (4) Seema
65. Who is second from the right in the photograph ?
 (1) Mary (2) Rani
 (3) Reeta (4) Bindu
66. Who is second from the left in photograph ?
 (1) Reeta (2) Mary
 (3) Bindu (4) Seema

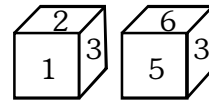
Directions(Q.67 to Q.69): Choose the word which is different from the rest.

67. (1) Producer (2) Director
 (3) Investor (4) Financer
68. (1) Calendar (2) Year
 (3) Day (4) Month
69. (1) Mumbai (2) Cochin
 (3) Kandla (4) Mysore
70. If A + B means A is the father of B; A-B means A is the brother B; A % B means A is the wife of B and A × B means A is the mother of B, which of the following shows that M is the maternal grandmother of T ?
 (1) M × N % S + T (2) M × N - S % T
 (3) M × S - N % T (4) M × N × S % T
71. 1. B5D means B is the father of D.
 2. B9D means B is the sister of D.
 3. B4D means B is the brother of D.
 4. B3D means B is the wife of D.
 Which of the following means F is the mother of K?
 (1) F3M5K (2) F5M3K
 (3) F9M4N3K (4) F3M5N3K

72. If POND is coded RSTL how is HEAR written in the code ?
 (1) GHIJ (2) JIGZ
 (3) GHIZ (4) None of these
73. If SPIDER is coded as PSDIRE, how is COMMON written in that code ?
 (1) OCMMNO (2) OCMMOO
 (3) OCMOON (4) OCMOMN

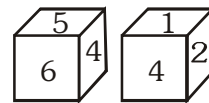
Directions(Q.74 to Q.76): All the six members of a family A, B, C, D, E & F are staying together. B is the son of C but C is not the mother of B. A & C are married couple. E is the brother of C. D is the daughter of A. F is the brother of B.

74. How many male members are there in the family ?
 (1) 1 (2) 2 (3) 3 (4) 4
75. Who is the mother of B ?
 (1) D (2) F (3) A (4) E
76. How many children does A have ?
 (1) 1 (2) 3 (3) 2 (4) 4
77. Which digit will appear on the face opposite to the face with number 3 ?



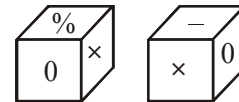
- (1) 4 (2) 5 (3) 6 (4) 2

78. Which number is on the face opposite to 6 ?



- (1) 4 (2) 1 (3) 2 (4) 3

79. Which sign will be opposite to '+' ?



- (1) % (2) - (3) × (4) \$

Directions(Q.80 to Q.87): Find out the alternative which will replace the question mark.

80. AZBY : CXDW :: EVFU : ?
 (1) GTHS (2) GHTS (3) GSTH (4) TGSH
81. ZRYQ : KCJB :: PWOV : ?
 (1) GBHA (2) ISJT (3) ELDK (4) EOFP

82. Computer : fqpvrxtvht :: Language : ?

- (1) oxpidxdig (2) ocqicyig
(3) ocqixcig (4) ocqixcig

83. ACEG : ? :: BDFH : KMOQ

- (1) NLPR (2) LMNO
(3) JLNP (4) JNLO

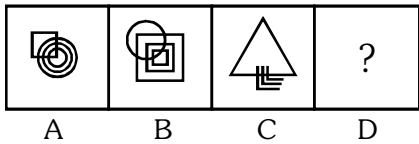
84. M × N : 13 × 14 :: F × R : ?

- (1) 14 × 15 (2) 5 × 17
(3) 6 × 18 (4) 7 × 19

85. Conference : Chairman :: Newspaper : ?

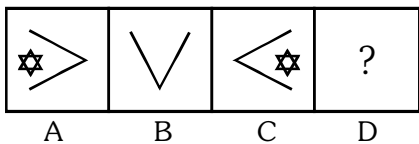
- (1) Reporter (2) Distributor
(3) Printer (4) Editor

86. Problem figures



- (1) (2)
(3) (4)

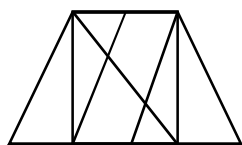
87. Problem Figures



- (1) (2)
(3) (4)

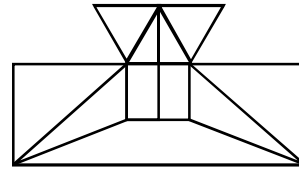
88. Find the number of triangle in the figure below.

Problem figure



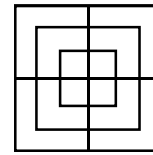
- (1) 8 (2) 10 (3) 12 (4) 14

89. Find the minimum number of straight lines required to make the given figure.



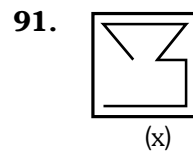
- (1) 16 (2) 17
(3) 18 (4) 19

90. Count the number of squares in the given figure.

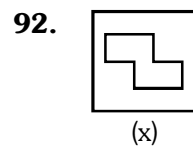


- (1) 8 (2) 12
(3) 15 (4) 18

Direction (Q.91 & Q.92) : Find out the alternative figure which contains figure (x) as its part.




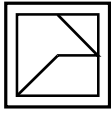

- (1) (2)
(3) (4)

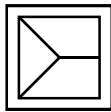
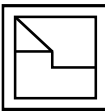


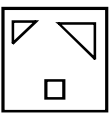
- (1) (2)
(3) (4)

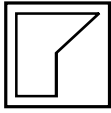

Directions(Q.93 & Q.94): Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (x).

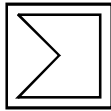
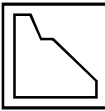
93. 
(x)

(1)  (2) 

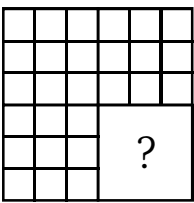
(3)  (4) 

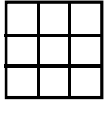
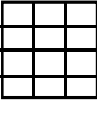
94. 
(x)

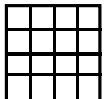

(1)  (2) 

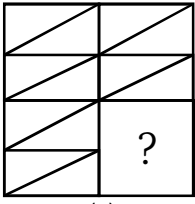
(3)  (4) 

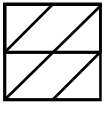
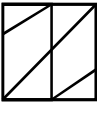
Directions(Q.95 to Q.98): Identify the figure that completes the pattern (x).

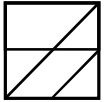
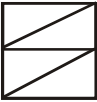
95. 
(x)

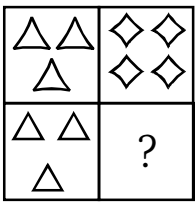
(1)  (2) 

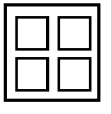

(3)  (4) 

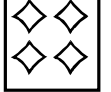

96. 
(x)

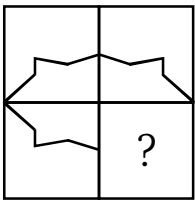
(1)  (2) 

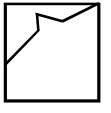
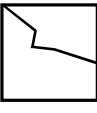
(3)  (4) 



97. 
(x)

(1)  (2) 

(3)  (4) 

98. 
(x)

(1)  (2) 

(3)  (4) 

Directions(Q.99 & Q.100): In these series, there are both letter pattern and number pattern. Fill the blank in series.

99. $ZA_5, Y_4B, XC_6, W_3D, ?$
 (1) E_7V (2) V_2E (3) VE_5 (4) VE_7
100. $DEF, DEF_2, DE_2F_2, DE_2F_2, ?, D_2E_2F_3$
 (1) DEF_3 (2) D_3EF_3 (3) D_2E_3F (4) $D_2E_2F_2$

SPACE FOR ROUGH WORK