

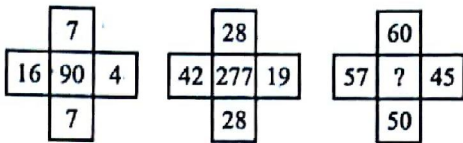
Date: 04/11/2018

Max. Marks: 100

SOLUTIONS

Time allowed: 120 mins

1. Find the missing term....

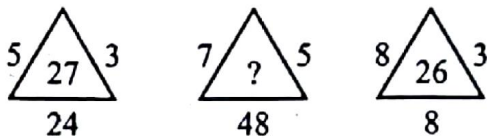


- (a) 274 (b) 298 (c) 305 (d) 278

Ans. (a)

Sol. $(7-4)^2 + (16-7)^2 = 90$
 $(28-19)^2 + (42-28)^2 = 277$
 $(60-45)^2 + (57-50)^2 = 274$

2. Find the missing term....



- (a) 41 (b) 45 (c) 47 (d) 51

Ans. (d)

$(5 \times 3) + (24 \div 2) = 27$
 $(7 \times 5) + (48 \div 3) = 51$
 $(8 \times 3) + (8 \div 4) = 26$

3. Find the missing term....



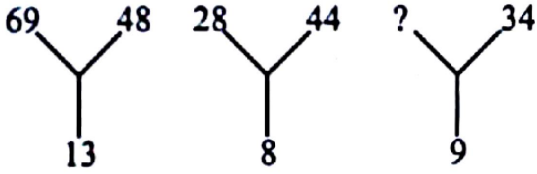
- (a) G (b) W (c) X (d) V

Ans. (b)

Sol. Row wise
 $A = 1, 1 + 4 = E = 5, 5 + 6 = K = 11$
 $G = 7, 7 + 4 = K = 11, 11 + 6 = Q = 17$

M = 13, 13 + 4 = Q = 17, 17 + 6 W = 23

4. Find the missing term....



- (a) 43 (b) 45 (c) 47 (d) None of these

Ans. (c)

Sol. $\frac{69+48}{9} = 13, \frac{28+44}{9} = 8$

So, $\frac{x+34}{9} = 9$

Hence $x = 47$

5. Find the missing term....

13	54	?
7	43	33
27	140	72

- (a) 4 (b) 6 (c) 44 (d) 40

Ans. (b)

Sol. 2nd row number is multiplied by 2 then added to 1st row number gives 3rd row number.

$7 \times 2 + 13 = 27$

$43 \times 2 + 54 = 140$

$33 \times 2 + x = 72$

$x = 6$

6. Choose the number which is similar to the given number 235, 247, 527

- (a) 395 (b) 909 (c) 835 (d) 711

Ans. NA

7. Choose the odd one out....

- (a) Ton (b) Quintal (c) kilogram (d) Gallon

Ans. (d)

Sol. Gallon is the unit of volume while the other are the units of weight.

8. Choose the number group which is different from them.....

- (a) 1,5,2 (b) 7,113,8 (c) 2,20,4 (d) 3, 27, 4

Ans. (d)

- Sol. (a) $1^2 + 2^2 = 5$
(b) $7^2 + 8^2 = 113$
(c) $2^2 + 4^2 = 20$
(d) $3^2 + 4^2 = (25)$ Not 27

9. Choose the analogous pair

Fan : sweat :: ? : ?

- (a) Rain : Drought (b) Fire : Smoke (c) Wind Evaporation (d) 0

Ans. (a)

Sol. Rain : Drought has similar relation as Fan : Sweat.

10. Choose the best alternate in place of ‘?’ $\frac{T}{J} : 2 :: \frac{X}{H} : ?$

- (a) 2 (b) 4 (c) 3 (d) $\frac{23}{7}$

Ans. (c)

Sol. Alphabetical no. of T & J is 20 & 10 respectively.

So $20 \div 10 = 2$

Similarly alphabetical no. of X & H is 24 & 8, so $24 \div 8 = 3$

11. If A = 26, RUN = 19 then CAT = ?

- (a) 25 (b) 28 (c) 31 (d) None of these

Ans. NA

12. In a certain code system ‘rbn pus brg std’ means ‘the cat is beautiful’ ‘tnh pus din std’ means ‘the dog is brown’ pus din bro pus cus’ means ‘the dog has the cat’ then, what is the code for ‘has’ ?

- (a) std (b) din (c) bro (d) cus

Ans. (d)

Sol. Code for ‘the’ – ‘pus’

‘dog’ – ‘din’

‘cat’ – ‘bro’

∴ Code for has is ‘cus’

13. In a certain code language ‘GARDEN’ is written as AGDREN, then MAGNET is written in that code as

- (a) AMGNTE (b) AMNGTE (c) AMNGET (d) MANGTE

Ans. (b)

Sol. The alphabets in GARDEN interchange their position in pair similarly MAGNET – AMNGTE

14. If HIGH is coded as 8, 18, 7, 19 then 4, 22, 1, 23 will be decoded as

- (a) DEAF (b) JADE (c) DEAD (d) ODEDA

Ans. (c)

Sol. In HIGH the 1st & 3rd letters are numbered in alphabetical order while 2nd & 4th letters are numbered in revering order.

HIGH → 8, 18, 7, 19

So DEAD → 4, 22, 1, 23

15. If CAR is coded as 2035 then how would BLUE is coded....

- (a) 523122 (b) 721122 (c) 721142 (d) 723144

Ans. (d)

Sol. CAR → Alphabetical number 3118

Add 2 is each letter number so it will become 5320 & write is reverse order 2035

BLUE → 2, 12, 21, 5

Add 2 in each letter number & in reverse order 723144

16. 2, 7, 13, 21, 31

- (a) 41 (b) 43 (c) 48 (d) 49

Ans. NA

Sol. 0

17. 2, 12, 20,, 110.

- (a) 42 (b) 49 (c) 56 (d) 28

Ans. (c)

18. 0-005, 0-05, 25.

- (a) 5/100 (b) 5/10 (c) 5/110 (d) None of these

Ans. (b)

Sol. $\frac{5}{1000}, \frac{5}{100}, \frac{5}{10}, \frac{5}{1}$

19. 1, 1, 5, 49, 11, 169, 19, ?

- (a) 289 (b) 256 (c) 361 (d) 369

Ans. (c)

Sol. Alternate number 1, 5, 11, 19 (1 + 4 = 5, 5 + 6 = 11, 11 + 8 = 19)

other alternate numbers 1, 49, 169,

are $1^2 = 1$

+6

$7^2 = 49$

$$+6$$

$$13^2 = 169$$

$$+6$$

$$19^2 = 361$$

20. C4X, F9U, I16R,

- (a) L25P (b) L25O (c) K25P (d) K25O

Ans. (b)

Sol. C4X → C + 3 letters forward = f

$$4 + 5 = 9$$

X - 3 letters backward = U

F9U → F + 3 letters forward = I

$$9 + 7 = 16$$

U - 3 letters backward = R

I16R → I + 3 letters forward = L

$$16 + 9 = 25$$

R - 3 letters backward = O Answer is L25O

21. A₁₀, D₁₅, G₂₀, J₂₅,

- (a) N₃₀ (b) O₂₀ (c) M₁₃₀ (d) M₂₀

Ans. NA

Sol. A₁₀, D₁₅, G₂₀, J₂₅ ?

In alphabets, 2 letter are skipped in between so next letter should be M in number series of +5 is followed 10, 15, 20, 25, 30

So answer is M₃₀

22. ane_ba_ebb_neb_an_bb

- (a) bbabe (b) ebbab (c) bnabe (d) bnaee

Ans. (c)

Sol. Pattern is repeating anebb

23. A, B, C, E, G, M.

- (a) H (b) I (c) J (d) K

Ans. (c)

Sol. Alternate series A, C, G, M A + 2 letters = C, C + 4 letters = G, G + 6 letters = M

Similarly B, E, ? B + 3 letters = E, E + 5 letters = J

$$\Rightarrow 5 + 5 = 10 \text{ (J)}$$

24. DF, GJ, KM, NQ, RT, ?

- (a) VW (b) YZ (c) XZ (d) UX

Ans. (d)

Sol. DF D + 2 letters = f D + 3 letters = G

GJ G + 3 letters = J G + 4 letters = K

KM k + 2 letters = M k + 3 letters = N
 NQ N + 3 letters = Q N + 4 letters = R
 RT R + 2 letters = T R + 3 letters = U
 U U + 3 letters = X

∴ UX

25. DEF, HIJ, MNO,

- (a) STU (b) RST (c) SRQ (d) UVW

Ans. (a)

Sol. DEF

D + 1 letters = E, E + 1 letters = F

D + 4 letters = H

HIJ

H + 1 letters = I I + 1 letters = J

H + 5 letters = M

M + 1 letters = N N + 1 letters = O

M + 6 letters = S

S + 1 letters = T T + 1 letters = U

Answer (STU)

26. B is the wife of A, D is father of B, name of son of only daughter of D is F, name of brother of F is P, name of daughter of A is R. Then P is

- (a) Son of D (b) Son of R (c) Son of A (d) Son of F

Ans. (c)

Sol. From the question it is known that P is brother of F and R. Since F is the daughter of A therefore P is the son of A.

27. A and B, C and D and E and F are husband-wife, D is father of A or B, E is the father of D, A is the daughter of C, then what is relation of F with B...

- (a) Mother (b) Grandmother (c) Sister (d) Maternal grandmother

Ans. (b)

Sol. A is the daughter of D and C where D is Father and E is the father of D So F is the grandmother of A and since A is married to B so Answer is b

28. A woman Manprit asks a man Harpreet "you are the brother of my uncle's daughter. How are you related to me?" The man answer will be.....

- (a) Cousin (b) Son (c) Brother in law (d) Nephew

Ans. (a)

Sol. My uncle's daughter means Manprit's cousin and her cousin's mother means Manprit cousin.

29. Pointing towards a lady in a photograph Ram said "She is the daughter of the only son of my grandfather." How lady is related to Ram ?

- (a) Sister (b) Mami(Aunt) (c) Niece (d) Cousin.

Ans. (c)

Sol. grandfather only son is Rams father and Ram fathers daughter is Rams sister and her sister daughter will be rams niece.

30. P, Q, R, S and T went to a picnic, P is the son of Q but Q is not the father of P, R is the son of S, who is the brother of P, T is the wife of S. How many males there in a group ?

- (a) 1 (b) 2 (c) 3 (d) 4

Ans. (c)

Sol. From question it is known that Q is female and T is female R, P, S are males
Hence 3 males

Direction : (Q. No 31 to 35)

Student P, Q, R, S, T, U and V appeared in an examination.

None of them obtained similar marks.

V always scores more than P.

P always scores more than Q.

S obtain marks less than T but more than P.

T obtain marks more than V but less than R.

S does not obtain highest marks.

31. Who obtained lowest marks ?

- (a) R (b) S (c) P (d) Q

Ans. (d)

Sol. As, the total equation or position according to score is

$R > T > V > P > Q$

∨

S

as V and S both score more than P,

So, the lowest marks score by Q.

32. Who obtained highest marks ?

- (a) R (b) T (c) V (d) P

Ans. (a)

Sol. Highest scorer by R,

33. Who obtained marks more than P but less than T ?

- (a) R (b) Q (c) V (d) S

Ans. (d)

Sol. As according to will statement $T > S > P$

34. Who obtained marks more V ?

- (a) S and R only (b) S and T only (c) R, S and T only (d) P, R and T only

Ans. (c)

Sol. As R, S and T score more than V

35. Who obtained marks more than P but less than R ?

- (a) V and T (b) T and S (c) R and S (d) All of these

Ans. (d)

Sol. As, $R > T > V > P > Q$

v
S

36. P is 300 km towards east with respect to O and Q is 400 km towards north from O. R is in between P and Q, then the distance between Q and R will be.....

- (a) 300km (b) 350 km (c) 250 km (d) $250\sqrt{2}$ km.

Ans. (c)

Sol. $PQ = \sqrt{OQ^2 + OP^2}$

$PQ = \sqrt{1600 + 900}$

$PQ = \sqrt{2500}$

= 500

As, R is the mid point of P & Q, so $QR = \frac{1}{2} [500]$ $QR = 250$

37. A man walk 3 km towards east then turns and walks 5 km towards north-east, again turns and walks 5 km towards west, then his present position from starting position is towards.....

- (a) East (b) West (c) North (d) South

Ans. (c)

Sol. North as from the starting point.

38. Bhuli starts walking 4 km towards south then turns and walk 3km towards east. Again he turns and walks 4 km towards north. Then his present position from starting position is.....

- (a) North (b) South (c) East (d) West

Ans. (c)

Sol. As Bhuli reach the final position she is to the East of the starting point.

39. Which of the following diagram represent relationship between clothes, red colour, paper.....



Ans. (c)

Sol. Some clothes can be red and some paper can be red But clothes and paper are not connected.

40. Which of the following diagrams represent relationship between mountains, earth, forest.....

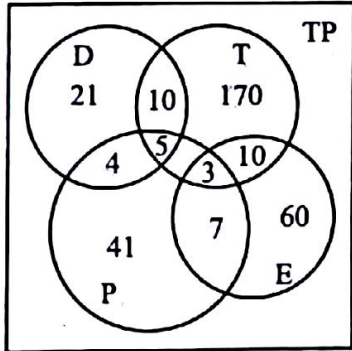


Ans. (b)

Sol. Mountains and forest belongs to Earth and some mountain are forest So, B is the option.

Direction : (Q. No. 41 to 45)

In a village total population is 600, out of these some are doctors, some are engineer, some are and some are teacher, These are represented by following diagram. (Where, TP = total population, D = doctors, E = engineer, P = poet and T = teacher).



41. How many teacher many teacher are both doctors and engineers ?

- (a) 9 (b) 10 (c) 11 (d) 0

Ans. (d)

Sol. No overlapping of Doctors, Teacher and Engineers.

42. How many poets are either doctor's and engineer but not a racher ?

- (a) 9 (b) 10 (c) 11 (d) 52

Ans. (c)

Sol. Poets who are doctor but not teacher are 4 and who are engineers but not teacher are 7 so total = $7 + 4 = 11$.

43. How many teachers are neither doctor not poet ?s

- (a) 172 (b) 192 (c) 182 (d) 10

Ans. NA

Sol. Teacher who are neither doctor nor poet are $170 + 10 = 180$

Not present in options.

44. How many engineers are both teachers and poet ?

- (a) 3 (b) 7 (c) 10 (d) 20

Ans. (a)

Sol. Engineers who are both teachers and poet is the overlapping of all these 3 figures.

45. How many are neither teacher nor doctor nor engineers ?

- (a) 327 (b) 308 (c) 319 (d) Can not be find

Ans. NA

Sol. People Who are neither teacher nor doctor nor engineers are = $600 - 290 = 310$ Not in option.

Direction : (Q No. 46 to 50)

Arrange the given words in alphabetical order and choose the one that come first....

46. (a) Wasp (b) Waste (c) Warp (d) Wrinkle

Ans. (c)

Sol. Alphabetically Warp comes first.

47. (a) Legal (b) Legible (c) Length (d) Legacy

Ans. (d)

Sol. Alphabetically Legacy comes first.

48. (a) Foliage (b) Foetus (c) Foments (d) Foble

Ans. (d)

Sol. Alphabetically Foble comes first.

49. (a) Noble (b) Nobgel (c) Naptol (d) Nomcle

Ans. (c)

Sol. Alphabetically Naptol comes first.

50. (a) Necessary (b) Nature (c) naval (d) Natraj

Ans. (d)

Sol. Alphabetically Natraj comes first.

51. In a row A is 24th from left and B is from right end, then the total number of student in all is....

(a) 55 (b) 47 (c) 37 (d) Can not be determined.

Ans. (d)

Sol. From the question it is not mentioned the no. of student between A and B, So it cannot be determined.

52. In a row of some different books, E is 24th from left, P is 60th from right, if they inter-changed their position, then P become 69th from rightend, then how many number of books are between E and P

(a) 8 (b) 9 (c) 10 (d) None of these

Ans. (a)

Sol. After interchange P is 69 from the right

$$\begin{aligned} \text{Total books} &= (24) + 69 - 1 \\ &= 92 \end{aligned}$$

$$\therefore \text{No. of books between E and P are } 92 - (24 + 60) = 8$$

53. Arrange the following in a meaningful sequence

(1) Paragraph (2) Phrase (3) Letter (4) Word
(a) 1, 2, 3, 4 (b) 3, 4, 2, 1 (c) 3, 4, 1, 2 (d) 1, 2, 4, 3

Ans. (b)

Sol. (b) Meaningful sequence : Letter, Word, Phrase, Paragraph

54. Arrange the following in a meaningful sequence

(1) College (2) Judge (3) Judgement (4) School
(a) 4, 2, 3, 1 (b) 1, 3, 4, 2 (c) 3, 1, 2, 4 (d) 2, 3, 4, 1

Ans. (N.A.)

Direction (Q. No. 55 to 58)

If '+' means \div , '-' means \times , '0' means '-' and \times means '+' then answer the following questions –

55. $6 + 2 - 4 \div 2 \times 5$

- (a) 30 (b) -2 (c) 15 (d) 10

Ans. (c)

Sol. (C) By Substitution :

$$6 \div 2 \times 4 - 2 + 5 \\ = 3 \times 4 - 2 + 5$$

56. $15 \div 5 \times 10 + 2 - 3$

- (a) 29 (b) 0.34 (c) 1 (d) 25

Ans. (d)

Sol. (d) Substitution :

$$15 - 5 + 10 \div 2 \times 3 \\ = 15 - 5 + 5 \times 3 \\ = 15 - 5 + 15 \\ = 25 \text{ (d)}$$

57. $13 - 4 \div 2 \times 10 + 5$

- (a) 50 (b) 52 (c) -2 (d) -4

Ans. (b)

Sol. (b) By substitution :

$$13 \times 4 - 2 + 10 \div 5 \\ = 13 \times 4 - 2 + 2 \\ = 52 - 2 + 2 \\ = 52 \text{ (b)}$$

58. $3 \times 4 \div 2 - 10 + 5$

- (a) 1 (b) -3 (c) 0 (d) 3

Ans. (d)

Sol. (d) By substitution :

$$3 + 4 - 2 \times 10 \\ = 3 + 4 - 2 \times 2 \\ = 3 + 4 - 4 \\ = 3 \text{ (d)}$$

59. In the following given series 7, 8, 9, 7, 6, 5, 3, 9, 7, 6, 2, 4, 9, 7, 6, 9, 7, 2. How many 7's are preceded by 9 and followed by 6 ?

- (a) 2 (b) 3 (c) 4 (d) None of these

Ans. (b)

Sol. (b) 7 8 9 7 6 5 3 9 7 6 2 4 9 7 6 9 7 2

There are 3 such 7's which are preceded by 9 and followed by 6.

60. If 1st October is Sunday, then 1st of November will be –

- (a) Monday (b) Tuesday (c) Wednesday (d) Thursday

Ans. (c)

Sol. (c) 1st October + 31 days = 1st November

$$\frac{31 \text{ days}}{7} \text{ Remainder} = 3$$

So 1st October (Sunday) + 3 days

= Wednesday (c)

61. The price of 2 sarees and 4 shirts is 1600 with the same amount one can buy 1 saree and 6 shirts. If we want to buy 1 saree and 6 shirts, If we want to buy 12 shirts, how much shall we have to pay ?

(a) 1200 (b) 2400 (c) 1800 (d) 3200

Ans. (b)

Sol. 2 Sarees + 4 Shirts = 1600(i)

1 saree + 6 Shirts = 1600(ii)

Multiply by 2 in equation 2

We get

2 sarees + 12 Shirts = 3200 (iii)

Subtract eqn (i) from eqn (iii)

2 sarees + 12 Shirts = 3200

2 sarees + 4 Shirts = 1600

(-) (-) (-)

8 Shirts = 1600

∴ Price of 12 shirts = 12 × 200

Rs. 2400

62. The length of a rectangle is 20% more than its breadth. What will be the ratio of the area of a rectangle to that of a square whose side is equal to the breadth of rectangle ?

(a) 2 : 1 (b) 4 : 3 (c) 6 : 5 (d) 3 : 2

Ans. (c)

Sol. (C) Breadth = x

$$\text{Length} = 20\% \text{ of } x = \frac{120}{100} \times x = \frac{6x}{5}$$

$$\text{Area of Rectangle} = \frac{x \times 6x}{5} = \frac{6x^2}{5}$$

Side of square = Breadth of rectangle

= x

Area of square = x^2

$$\frac{\text{Ratio of Rectangle}}{\text{Ratio of square}} = \frac{6x^2}{5} = \frac{6}{5} \text{ (c)}$$

63. In a badminton single tournament each of the six players will play, every other player exactly once. How many matches will be played the tournament ?

- (a) 20 (b) 25 (c) 15 (d) 30

Ans. (c)

Sol. (C) No. of matches to be played

$$5 + 4 + 3 + 2 + 1 = 15$$

Direction (Q. No. 64 to 67)

A has 5 shops B, C, D, E and F. Earning from B is twice from C, earning from C is thrice from D, earning from D is four times of F. If half of this total earning is 2, 11, 000 then –

64. Earning from F is _

- (a) 1000 (b) 2000 (c) 500 (d) None of these

Ans. (d)

Sol. $B = 2C (120E)$

$C = 3D (60E)$

$D = 4F (20E)$

$F = 5E$

$$E = 2048.54$$

Earning of F = 10,240 Approximately

65. Earning from D is)

- (a) 2000 (b) 10000 (c) 40000 (d) 20000

Ans. (a)

Sol. $20 \times E = 40,000$ approximately

66. Highest earning is from _

- (a) B (b) C (c) D (d) F

Ans. (a)

Sol. Highest earning is B

67. Lowest earning is from _

- (a) B (b) C (c) D (d) F

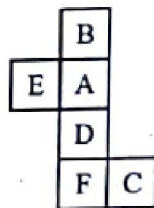
Ans. (d)

Sol. Lowest earning is of F from the options.

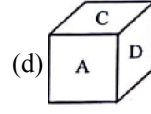
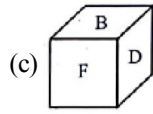
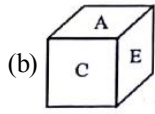
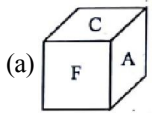
Direction (Q. No. 68 to 69)

Out of the given choice which of answer figure can be formed from question figure given below _

68. Question figure



Answer figure



Ans. (d)

Sol. (d) From the question figure

E is opposite to C

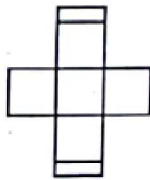
B is opposite to D

A is opposite to F

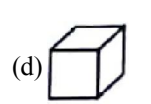
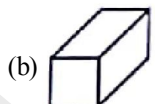
∴ Option (a), (b), and (c) is ruled out

option (d) is correct

69. Question figure



Answer figure



Ans. (d)

70. A dice is numbered 1 to 6 in different ways. If 3 is adjacent to 1, 2 and 4, then which of the following statements is necessarily true ?

(a) 3 is opposite to 5

(b) 2 is adjacent to 5

(c) 1 is opposite to 6

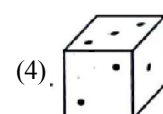
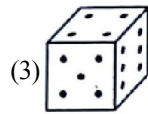
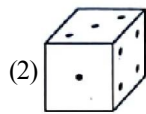
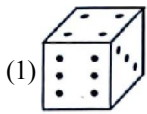
(d) 5 is adjacent to 6.

Ans. (d)

Sol. (d) Opposite of 3 can be either 5 or 6 since 1, 2 and 4 are adjacent

∴ 5 and 6 cannot be opposite to each other therefore they have to be adjacent.

71. How many dots are there on the dice face opposite to one with four dots ?



(a) 1

(b) 2

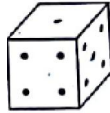
(c) 3

(d) 5

Ans. (b)

Sol (b) Dots adjacent to 4 dots are
 $4 \rightarrow 3, 6, 1, 5$ (from the figures)
 opposite to $4 \rightarrow 2$ dots

72. From the following figures determine how many dots are on the face opposite to that containing four dots—



(a) 3

(b) 6

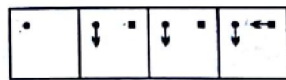
(c) 2

(d) Can not be Determined.

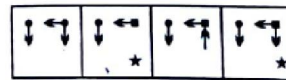
Ans. (c)

Sol (C) Since 5 and 1 dots are present in both figures 4 has to be opposite to 2
 So, Opposite of 4 dots is 2

73. Which will be the next figure of question figure among the answer figure—
 Question figure



Answer figure



(a) 1

(b) 2

(c) 3

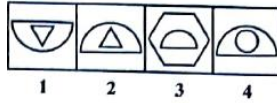
(d) 4

Ans. (NA)

74. Which will be the next figure of question figure-
 Question figure



Answer figure



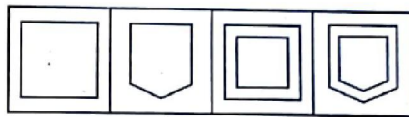
- (a) 1 (b) 2 (c) 3 (d) 4

Ans. (d)

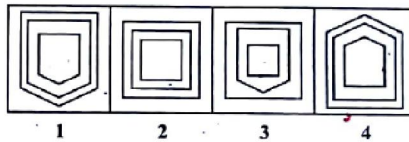
Sol By observation option (4)

75. Which will be next figure of question figure—

Question figure



Answer figure



- (a) 1 (b) 2 (c) 3 (d) 4

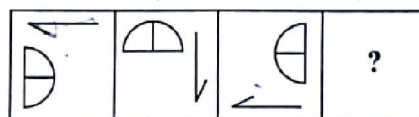
Ans. (b)

Sol Option (b) By observation 3 squares should be next trem

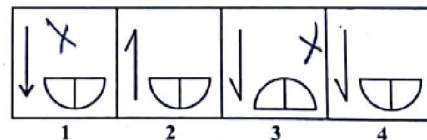
Direction (Q. No. 76 to 78)

Select a suitable figure from answer figure that would replace the question mark (?) from a question figure.

76. Question figure



Answer figure

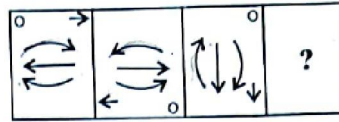


- (a) 1 (b) 2 (c) 3 (d) 4

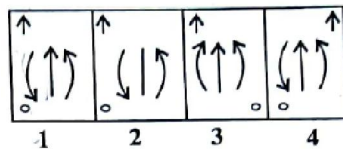
Ans. (d)

Sol By Observation option (a)

77. Question figure



Answer figure



(a) 1

(b) 2

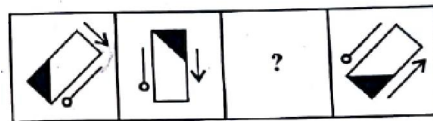
(c) 3

(d) 4

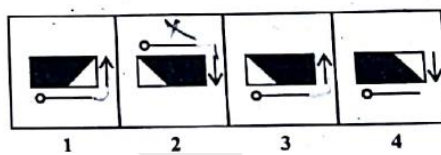
Ans. (a)

Sol. By observation (a)

78. Question figure



Answer figure



(a) 1

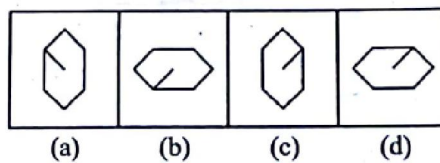
(b) 2

(c) 3

(d) 4

Ans. (NA)

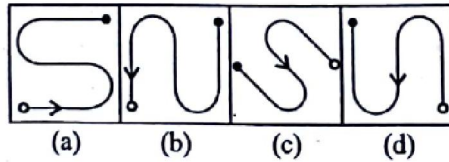
79. Choose the odd one—



Ans. (c)

Sol By observation option (c)

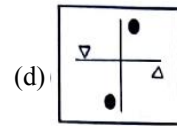
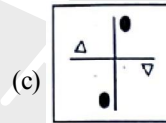
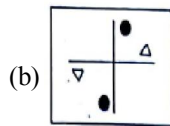
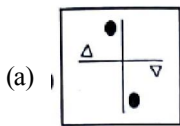
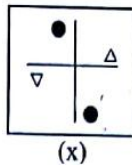
80. Choose the odd one—



Ans. (b)

Sol By observation option (b)

81. Choose the correct water image of the given figure—



Ans. (c)

Sol As it is the correct water image of the given figures.

82. Choose the correct water image of given word —

DISC69:

(a) DIꞤC96 -

(b) CSIDeð

(c) DIꞤCeð

(d) DIꞤCæe.

Ans. (c)

Sol Answer (c)

As in water image only alphabet D, C and I will not changed but, the number will changed.

83. By looking in a mirror, it appears that it is 3:30 into clock. What is the real time ?

(a) 9:30

(b) 8:30

(c) 8:00

(d) None of these.

Ans. (b)

Sol. Answer (b)

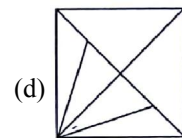
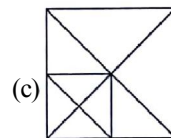
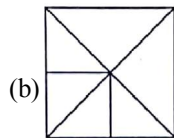
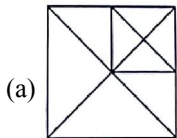
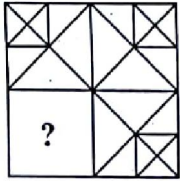
As its a short trick, if we have to find mirror image of any time (given) then, just subtract that given time by 11 : 60; so,

11 : 60

- 3 : 30

8 : 30

84. Choose the correct alternate at the place of complete the following pattern—



Ans. (c)

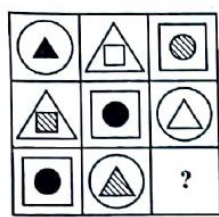
Sol Answer (c)

As, we can complete this figure only by this option.

Direction : (Q. No. 85 to 86)

Select a suitable figure from the four alternates that would complete the given figure matrix.

85. Figure Matrix



Answer-figures



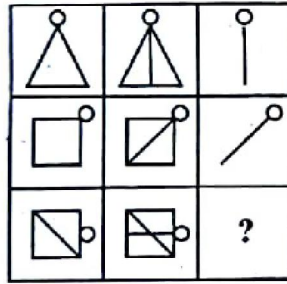
(a) (b) (c) (d)

Ans. (c)

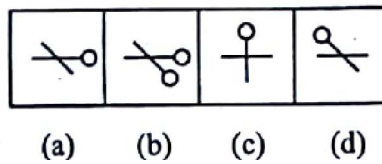
Sol. Answer (c)

As, in the given matrix figure we have respectively circle, triangle and square in the row, and we have internal figure should have a triangle with a blank square in its internal portion.

86. Figure Matrix



Answer-figures



Ans. (a)

Sol Answer (a)

As, its a matrix question and in the last box, we have only common figures of the previous two ones, so the common figure of the two is in option (a) only

87. Find the number of parallelograms in the given figure—



(a) 7

(b) 8

(c) 10

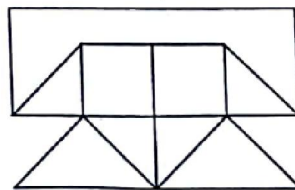
(d) 14

Ans. (b)

Sol Answer (b)

As, there are 6 parallelograms in the small size and 4 parallelograms in the large size

88. Find the minimum number of straight line required to make the following figure—



(a) 14

(b) 15

(c) 17

(d) 20

Ans. (b)

Sol Answer (b)

As, there are 4 horizontal lines, 5 vertical lines and 6 slanted lines

89. Find the number of squares in the following figure—



(a) 6

(b) 4

(c) 10

(d) 12

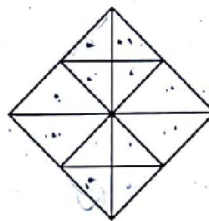
Ans. (c)

Sol Answer (c)

As, we have 8 small squares, 1 internal square 1 outer large square.

Fig.

90. Find the number of triangles in the following figure—



(a) 25

(b) 28

(c) 30

(d) 32

Ans. (b)

Sol Answer (b)

As there are a short trick

we have two such figure, so $3 \times 2 = 16$

$1 + 2 \rightarrow 3$

Again, we have two such figures, so

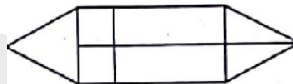
$3 \times 2 = 6$

$16 + 6 + 4$ (small triangles) + 2 (Large triangles)

= 28

Fig

91. How many rectangles are there in the following figure—



(a) 7

(b) 8

(c) 9

(d) 10

Ans. (c)

Sol Answer (a)

No. of rectangles present are 9

Direction : (Q. No. 92 to 93)

In the following questions one Assertion (A) and one

reason (R) are given. Choose the correct alternative from the following—

I. Both A and R are true and R is correct explanation of A.

II. Both A and R are true but R is not correct explanation of A.' Activate windows

III. A is true but R is false.

IV. A is false but R is true.

92. Assertion (A): Solar eclipse occurs.

Reason (R) : Earth move arround the sun.

(a) I (b) ii (c) III (d) IV.

Ans. (a)

Sol Answer (b)

As, solar eclipse occurs but, earth move around the sun is not the reason of it.

93. Assertion (A) : Crude oil is abundantly found in nature.

Reason (R): It is the main raw material for all automobiles.

(a) I (b) II (c) III (d) VI.

Ans. (d)

Sol Answer (d)

Assertion said that Cude oil is abundantly found in nature and its not true, so, only Reason is correct.

Direction : (Q. No. 94 to 95)

In the following questions one statements and two arguments are given. Choose the correct alternative from the following—

I. Only argument I is strong.

II. Only argument II is strong.

III. Neither argument I nor argument II is strong.

IV. Both argument I and argument II are strong.

94. Statement : Should India declare war against Pakistan ?

Argument I: Yes, Pakistan is supporting terrorism in Jammu and Kashmir.

Argument II: No, war is not a permanent solution.

(a) I (b) II (c) III (d) IV.

Ans. (b)

Sol Answer (b)

War, is not a permanent solution as, war is always left a larger lors to the world

95. Statement: Should a total ban be put on trapping wild animal ?

Argument I: Yes, trappers are making a lot of money.

Argument II: No, bans on hunting and trapping are not effective.

(a) I (b) II (c) III (d) IV.

Ans. (c)

Sol Answer (C)

As, both the argument are not, strong, wild ansmals are our asset, we have to protect them

Direction : (Q. NO.96 to 97)

In the following questions one statements and two conclusion are given choose the correct alternative from the following—

I. Only conclusion I follows.

II. Only conclusion II follows.

III. Neither I nor II follows.

IV. Both I and II*follows.

96. Statement: Prime Minister is changed after an election.

Conclusion I: Changes is the law of nature.

Conclusion II. Changes due to loss in majority.?

(a) I (b) II (c) III (d) IV

Ans. (b)

Sol Answer (b)

Only conclusion 2 follows

97. Statement: Morning walks are good for health.

Canclusion I: All healthy people go for morning walk.

Canclusion II: Evening walks are harmful.-"

(a) I (b) II (c) III (d) IV

Ans. (a)

Sol. Answer (a)

Only conclusion 1 follows

Direction : (Q No. 98 to 100)

In the question given below consists of a question and two statements I and H, you have to decide whether the data provided in the statement are sufficient to answer the questions—

Read the both statements and choose the correct alternative from the following—

I. I alone is sufficient.

II. II alone is sufficient

III. Both I and II together are sufficient but not alone.

IV. I and II together are also not sufficient.

98. How much money do Vivek and Suman have together?

Statement I: Suman had 20 rupees less than what Tarun has.

Statement II: Vivek has 30 rupees more than what Tarun has.

(a) I (b) II (c) III (d) IV

Ans. (d)

Sol Answer (d)

Both statement are not sufficient

99. Is 2^{2018} is an even number ?

Statement 1 : 2018 is an even number.

Statement II : .2is an even number.

(a) I (b) II (c) III (d) IV

Ans. (b)

Sol Answer (b)

Only conclusion II is correct.

100. Is x is an integer ?

Statement I : x^3 is an integer.

Statement II: $2x$ is an integer.

(a) I

(b) II

(c) III

(d) IV

Ans. (d)

Sol Answer (d)

Both statement are only the property of integer not the sufficient statement.

PREP