

PRACTISE QUESTION

LOGICAL REASONING

Directions: In each of the following questions, a number series is given with one term missing. Choose the correct alternative that will continue the same pattern and replace the question mark in the given series.

1. 1, 4, 10, 22, 46, ?

- (A) 64
- (B) 86
- (C) 94
- (D) 122

2. 5, 6, 9, 15, ?, 40

- (A) 21
- (B) 25
- (C) 27
- (D) 33

VIDHYODAY
VIDHYA KA UDAY

3. 4, 6, 9, $13\frac{1}{2}$, ?

- (A) $17\frac{1}{2}$
- (B) 19
- (C) $20\frac{1}{4}$
- (D) $22\frac{3}{4}$

4. 1, 5, 14, 30, 55, 91, ?

- (A) 130
- (B) 140
- (C) 150
- (D) 160

5. 24, 60, 120, 210, ?

- (A) 300
- (B) 336
- (C) 420
- (D) 525

6. 3, 15, ?, 63, 99, 143

- (A) 27
- (B) 35
- (C) 45
- (D) 56

7. $\frac{2}{\sqrt{5}}, \frac{3}{5}, \frac{4}{5\sqrt{5}}, \frac{5}{25}, ?$

- (A) $\frac{6}{5\sqrt{5}}$
- (B) $\frac{6}{25\sqrt{5}}$
- (C) $\frac{6}{125}$
- (D) $\frac{7}{25}$



Directions : In each of the following questions, one term in the number series is wrong. Find out the wrong term.

8. 3, 10, 27, 4, 16, 64, 5, 25, 125

- (A) 3
- (B) 4
- (C) 10
- (D) 27

9. 25, 36, 49, 81, 121, 169, 225

- (A) 36
- (B) 49
- (C) 169
- (D) 225

10. 2, 5, 10, 17, 26, 37, 50, 64

- (A) 17
- (B) 26
- (C) 37
- (D) 64

11. 5, 27, 61, 122, 213, 340, 509

- (A) 27
- (B) 61
- (C) 122
- (D) 509

12. 121, 143, 165, 186, 209

- (A) 143
- (B) 165
- (C) 186
- (D) 209

13. 16, 22, 30, 45, 52, 66

- (A) 30
- (B) 45
- (C) 52
- (D) 66

14. 8, 13, 21, 32, 47, 63, 83

- (A) 13
- (B) 21
- (C) 32
- (D) 47

15. 4, 10, 22, 46, 96, 190, 382

- (A) 4
- (B) 10
- (C) 96
- (D) 382

16. 6, 15, 35, 77, 165, 221

- (A) 35
- (B) 77
- (C) 165
- (D) 221

17. 1, 5, 9, 15, 25, 37, 49, 65

- (A) 9
- (B) 15
- (C) 25
- (D) 37

18. Find the next term in the alpha-numeric series :
Z1A, X2D, V6G, T21J, R88M, P445P, ?

- (A) N2676S
- (B) N2676T
- (C) T2670N
- (D) T2676N



19. Find the term which does not fit into the series given below :
G4T, J10R, M20P, P43N, S90L

- (A) G4T
- (B) J10R
- (C) M20P
- (D) P43N

20. If TRUTH is coded as SUQSTVSUGI, then the code for FALSE will be

- (A) EGZBKMRDE
- (B) EGZKMRTDF
- (C) EGZBKMRRTDF
- (D) FGZBKNRTDF

21. In a certain code, SPRING is written as UNUFRC. How will the word MOBILE be written in that code language?

- (A) KQEFPA
- (B) OMDGNC
- (C) OMDGPA
- (D) OMEFPA

22. If GOLD is coded as HOME, COME is coded as DONF and CORD is coded as DOSE, how would you code SONS?

- (A) TPOT
- (B) TOOT
- (C) TOOS
- (D) TONT

23. If POND is coded as RSTL, how is HEAR written in that code?

- (A) GHIJ
- (B) GHIZ
- (C) JIGZ
- (D) JCLZ



24. If ZIP = 198 and ZAP = 246, then how will you code VIP?

- (A) 174
- (B) 222
- (C) 888
- (D) 990

25. If O = 16, FOR = 42, then what is FRONT equal to?

- (A) 61
- (B) 65
- (C) 73
- (D) 78

26. If GO = 32, SHE = 49, then SOME will be equal to

- (A) 56
- (B) 58
- (C) 62
- (D) 64

27. If 'dust' is called 'air', 'air' is called 'fire', 'fire' is called 'water', 'water' is called 'colour', 'colour' is called 'rain' and 'rain' is called 'dust', then where do fish live?

- (A) Fire
- (B) Water
- (C) Colour
- (D) Dust

28. If 'train' is called 'bus', 'bus' is called 'tractor', 'tractor' is called 'car', 'car' is called 'scooter', 'scooter' is called 'bicycle' is called 'moped', which is used to plough a field?

- (A) Train
- (B) Bus
- (C) Tractor
- (D) Car



29. If 'blue' means 'green', 'green' means 'white', 'white' means 'yellow', 'yellow' means 'black', 'black' means 'red' and 'red' means 'brown', then what is the colour of milk?

- (A) Black
- (B) Brown
- (C) Blue
- (D) Yellow

30. If 'paper' is called 'wood', 'wood' is called 'straw', 'straw' is called 'grass', 'grass' is called 'rubber' and 'rubber' is called 'cloth', what is the furniture made up of ?

- (A) Paper
- (B) Wood
- (C) Straw
- (D) Grass

31. In a code language, 'mokdansil' means 'nice big house', 'fit kondan' means 'house is good' and 'warm tir fit' means 'cost is high'. Which word stands for 'good' in that language?

- (A) mok
- (B) dan
- (C) fit
- (D) kon

32. if 'ski rps tri' stands for 'nice Sunday morning', 'the stirps' stands for 'every Tuesday morning' and 'ski ptrqlm' stands for 'nice market place', which word stands for 'Sunday'?

- (A) ski
- (B) rps
- (C) tri
- (D) qlm

33. In a certain language, 'pre natbis' means 'smoking is harmful', 'vogdornat' means 'avoid harmful habit' and 'dorbisyl' means 'please avoid smoking'. Which of the following means 'habit' in that language?

- (A) vog
- (B) nat
- (C) dor
- (D) bis



34. In a certain coding system 'rbmstd bro pus' means 'the cat is beautiful', 'tnh pus dim std' means 'the dog is brown', 'pus dim bro pus cus' means 'the dog has the cat'. What is the code for 'has'?

- (A) std
- (B) dim
- (C) bro
- (D) cus

35. In a certain code language, 'put tir fin' means 'delicious juicy fruit', 'tie dip sig' means 'beautiful white lily' and 'sig lon fin' means 'lily and fruit'. Which of the following stands for 'and' in that language?

- (A) lon
- (B) sig
- (C) fin
- (D) None of these

36. Pointing to a photograph, a man said, "I have no brother or sister but that man's father is my father's son." Whose photograph was it?

- (A) His own
- (B) His son's
- (C) His father's
- (D) His nephew's

37. Pointing towards a boy, Veena said, "He is the son of only son of my grandfather." How is that boy related to Veena?

- (A) Uncle
- (B) Brother
- (C) Cousin
- (D) Data inadequate

38. Introducing Reena, Monika said, "She is the only daughter of my father's only daughter." How is Monika related to Reena?

- (A) Aunt
- (B) Niece
- (C) Cousin
- (D) None of these



39. Pointing to a man, a woman said, "His mother is the only daughter of my mother." How is the woman related to the mother?

- (A) Mother
- (B) Daughter
- (C) Sister
- (D) Grandmother

40. If X is the brother of the son of Y's son, how is X related to Y?

- (A) Son
- (B) Brother
- (C) Cousin
- (D) Grandson

Direction (Question 41 to 46) : Study the following information and answer the questions given below it:

All the six members of a family A, B, C, D, E and F are travelling together. B is the son of C but C is not the mother of B. A and C are a married couple. E is the brother of C. D is the daughter of A. F is the brother of B.

41. How many male members are there in the family?

- (A) 1
- (B) 2
- (C) 3
- (D) 4

42. Who is the mother of B?

- (A) D
- (B) F
- (C) E
- (D) A

43. How many children does A have?

- (A) One
- (B) Two
- (C) Three
- (D) Four

44. Who is the wife of E?

- (A) A
- (B) F
- (C) B
- (D) Cannot be determined

45. Which of the following is a pair of females?

- (A) AE
- (B) BD
- (C) DF
- (D) AD

46. How is E related to D?

- (A) Father
- (B) Brother
- (C) Uncle
- (D) Cannot be determined

Direction (Question 47 to 51) : Study the following information carefully and answer the question given below it :

There are six person A, B, C, D, E and F. C is the sister of F. B is the brother of E's husband. D is the father of A and grandfather of F. There are two fathers, three brothers and a mother in the group.

47. Who is the mother?

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

48. Who is E's husband?

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

49. How many male members are there in the group?

- (A) One
- (B) Two
- (C) Three
- (D) Four

50. How is F related to E?

- (A) Uncle
- (B) Husband
- (C) Son
- (D) Daughter

51. Which of the following is a group of brothers?

- (A) ABF
- (B) ABD
- (C) BFC
- (D) BDF

Direction (Question 52 to 56): Read the following information carefully to answer these questions

- (i) 'A \$ B' means 'A is mother of B' ;
- (ii) 'A # B' means 'A is father of B' ;
- (iii) 'A @ B' means 'A is husband of B' ;
- (iv) 'A % B' means 'A is daughter of B' .

52. P @ Q \$ M # T indicates what relationship of P with T?

- (A) Paternal grandmother
- (B) Maternal grandmother
- (C) Paternal grandfather
- (D) Maternal grandfather



VIDHYODAY

53. Which of the following expressions indicates 'R is the sister of H' ?

- (A) H \$ D @ F # R
- (B) R % D @ F \$ H
- (C) R \$ D @ F # H
- (D) H % D @ F \$ R

54. If F @ D % K # H, then how is F relate to H ?

- (A) Brother -in-law
- (B) Sister
- (C) Sister-in-law
- (D) Cannot be determined

55. Which of the following expressions indicates 'H is the brother of N' ?

- (A) H # R \$ D \$ N
- (B) N % F @ D \$ H # R
- (C) N % F @ D \$ H
- (D) N % F @ D % H

56. If $G \$ M @ K$, how is K related to G?

- (A) Daughter-in-law
- (B) Mother-in-law
- (C) Daughter
- (D) Aunt

57. A man is facing south. He turns 135° in the anti clockwise direction and then 180° in the clockwise direction. Which direction is he facing now?

- (A) North-east
- (B) North-west
- (C) South-east
- (D) South-west

58. A man is facing north-west. He turns 90° in the clockwise direction and then 135° in the anti clockwise direction. Which direction is he facing now?

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



59. A man is facing towards west and turns through 45° clockwise, again 180° clockwise and then turns through 270° anti clockwise. In which direction is he facing now?

- (A) West
- (B) North-west
- (C) South
- (D) South-west

60. I am facing east. I turn 100° in the clockwise direction and then 145° in the anti clockwise direction. Which direction am I facing now?

- (A) East
- (B) North-east
- (C) North
- (D) South-west

61. A river flows west to east and on the way turns left and goes in a semi-circle round a hillock, and then turns left at right angles. In which direction is the river finally flowing?

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

62. You go North, turn right, then right again and then go to the left. In which direction are you now?

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

63. I am standing at the centre of a circular field. I go down south to the edge of the field and then turning left I walk along the boundary of the field equal to three-eighths of its length. Then I turn west and go right across to the opposite point on the boundary. In which direction am I from the starting point?

- (A) North-west
- (B) North
- (C) South-west
- (D) West



64. Deepak starts walking straight towards east. After walking 75 metres, he turns to the left and walks 25 metres straight. Again he turns to the left, walks a distance of 40 metres straight, again he turns to the left and walks a distance of 25 metres. How far is he from the starting point?

- (A) 35 metres
- (B) 50 metres
- (C) 115 metres
- (D) 140 metres

65. Kunal walks 10 kilometres towards North. From there, he walks 6 kilometres towards South. Then, he walks 3 kilometres towards East. How far and in which direction is he with reference to his starting point?

- (A) 5 kilometres West
- (B) 5 kilometres North-east
- (C) 7 kilometres East
- (D) 7 kilometres West

66. Rohan walks a distance of 3 km towards North, then turns to his left and walks for 2 km. He again turns left and walks for 3 km. At this point he turns to his left and walks for 3 km. How many kilometres is he from the starting point?

- (A) 1 km
- (B) 2 km
- (C) 3 km
- (D) 5 km

Direction (Question 67 to 69) : Study the information given below carefully and answer the questions that follow:

A, B, C, D, E, F, G, H and I are nine houses. C is 2 km east of B. A is 1 km north of B and H is 2 km south of A. G is 1 km west of H while D is 3 km east of G and F is 2 km north of G. I is situated just in middle of B and C while E is just in middle of H and D.

67. Distance between E and G is

- (A) 1 km
- (B) 1.5 km
- (C) 2 km
- (D) 5 km



68. Distance between E and I is

- (A) 1 km
- (B) 2 km
- (C) 3 km
- (D) 4 km

69. Distance between A and F is

- (A) 1 km
- (B) 1.41 km
- (C) 2 km
- (D) 3 km

Direction (Question 70 to 71) : Study the information given below carefully and answer the questions that follow:

- (i) Kunal is 40 metres to the right of Atul.
- (ii) Dinesh is 60 metres to the south of Kunal.
- (iii) Nitin is 25 metres to the west of Atul.
- (iv) Prashant is 90 metres to the north of Dinesh.

70. Who is to the north-east of the person who is to the left of Kunal?

- (A) Dinesh
- (B) Nitin
- (C) Atul
- (D) None of these

71. If a boy walks from Nitin, meets Atul followed by Kunal, Dinesh and then Prashant, how many metres has he walked if he has travelled the straight distance all through?

- (A) 155 metres
- (B) 185 metres
- (C) 215 metres
- (D) 245 metres



72. If 'South-east' is called 'East', 'North-west' is called 'West', 'South-west' is called 'South' and so on, what will 'North' be called?

- (A) East
- (B) North-east
- (C) North-west
- (D) South

73. If South-east becomes North, North-east becomes West and so on, what will West become?

- (A) North-east
- (B) North-west
- (C) South-east
- (D) South-west

74. One morning after sunrise, Reeta and Kavita were talking to each other face to face at Tilak Square. If Kavita's shadow was exactly to the right of Reeta, which direction Kavita was facing?

- (A) North
- (B) South
- (C) East
- (D) Data inadequate

75. One morning after sunrise, Vikram and Shailesh were standing in a lawn with their backs towards each other. Vikram's shadow fell exactly towards left hand side. Which direction was Shailesh facing?

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

Direction (Question 76 to 78): Read the following information carefully to answer the questions given below:

Nine cricket fans are watching a match in a stadium. Seated in one row, they are J, K, L, M, N, O, P, Q and R. L is at the right of M and third to the right of N. K is at one end of the row. Q is seated adjacent to both O and P. O is third to the left of K. J is right next to left of O.

76. Who is sitting at the centre of the row?

- (A) I
- (B) J
- (C) O
- (D) Q

77. Who is at the other end of the row?

- (A) J
- (B) N
- (C) P
- (D) R

78. Which of the following statements is true?

- (A) N is two seats away from J.
- (B) M is at one extreme end.
- (C) R and P are neighbours.
- (D) There is one person between L and O.

Direction (Question 79 to 82) : Read the following information carefully to answer the questions given below:

- (i) A, B, C, D, E, F and G are sitting around a circle and are facing the centre.
- (ii) G is second to the left of C, who is to the immediate left of F.
- (iii) A is third to the left of E.
- (iv) B is between D and E.

79. Which of the following is false?

- (A) A is fourth to the right of E.
- (B) G is to the immediate right of D.
- (C) F is third to the right of D.
- (D) B is to the immediate left of D.

80. Which of the following is true?

- (A) C is fourth to the left of B.
- (B) A is to the immediate right of G.
- (C) D is second to the left of E.
- (D) B is second to the right of G.


VIDHYODAY
 VIDHYA KA UDAY

81. Which of the following pairs has the first person sitting to the immediate left of the second person?

- (A) BE
- (B) CA
- (C) GD
- (D) DG

82. Which of the following is the position of F?

- (A) Fourth to the right of D
- (B) To the immediate left of C
- (C) Between A and E
- (D) To the immediate right of A

Direction (Question 83 to 85) : Read the following information carefully to answer the questions given below:

Seven children A, B, C, D, E, F and G are standing in a line. G is to the right of D and to the left of B. A is on the right of C. A and D have one child between them. E and B have two children between them. D and F have two children between them.

83. Who is on the extreme right?

- (A) B
- (B) E
- (C) F
- (D) G

84. Who is exactly in the middle?

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

85. Who is on the extreme left?

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



VIDHYA KA UDAY

ANSWER KEY

| | | | | | | | | | |
|----|---|----|---|----|---|----|---|----|---|
| 1 | C | 2 | B | 3 | C | 4 | B | 5 | B |
| 6 | B | 7 | B | 8 | D | 9 | A | 10 | D |
| 11 | A | 12 | C | 13 | B | 14 | D | 15 | C |
| 16 | C | 17 | B | 18 | A | 19 | B | 20 | C |
| 21 | D | 22 | B | 23 | C | 24 | B | 25 | D |
| 26 | A | 27 | C | 28 | D | 29 | D | 30 | C |
| 31 | D | 32 | C | 33 | A | 34 | D | 35 | A |
| 36 | B | 37 | D | 38 | D | 39 | B | 40 | D |
| 41 | D | 42 | D | 43 | C | 44 | D | 45 | D |
| 46 | C | 47 | D | 48 | C | 49 | D | 50 | C |
| 51 | A | 52 | C | 53 | B | 54 | A | 55 | B |
| 56 | B | 57 | D | 58 | B | 59 | D | 60 | B |
| 61 | B | 62 | C | 63 | A | 64 | A | 65 | B |
| 66 | A | 67 | C | 68 | A | 69 | A | 70 | D |
| 71 | C | 72 | C | 73 | C | 74 | A | 75 | D |
| 76 | B | 77 | B | 78 | D | 79 | C | 80 | B |
| 81 | D | 82 | A | 83 | C | 84 | C | 85 | C |

SPEED TEST

1. Suresh's sister is the wife of Ram. Ram is Rani's brother. Ram's father is Madhur. Sheetal is Ram's grandmother. Rema is Sheetal's daughter-in-law. Rohit is Rani's brother's son. Who is Rohit to Suresh?

- (A) Brother-in-law
- (B) Son
- (C) Brother
- (D) Nephew

2. There are six children playing football namely A, B, C, D, E, and F. A & E are brothers. F is sister of E. C is the only son of A's uncle. B & D are daughters of the brother of C's father. How D is related to A?

- (A) Uncle
- (B) Cousin
- (C) Niece
- (D) Sister

3. When Rani saw Vinit, she recollected that "He is the brother of my grandfather's son. How is Rani related to Vinit?"

- (A) Aunt
- (B) Daughter
- (C) Sister
- (D) Niece

4. Annanya is mother of Satya and Shyam is the son of Bhima. Shiva is brother of Annanya. If Satya is sister of Shyam, how Bhima is related to Shiva?

- (A) Son
- (B) Cousin
- (C) Brother-in-law
- (D) Son-in-law

5. Suman is daughter-in-law of Rakesh and sister-in-law of Rajesh. Ramesh is the son of Rakesh and only brother of Rajesh. Find the relation of Suman with Ramesh.

- (A) Sister-in law
- (B) Cousin
- (C) Aunt
- (D) Wife

6. If 'FROZEN' is decoded as 'OFAPSG'. Tick the right option that depicts 'MOLTEN' written in this way?

- (A) OFPOMN
- (B) OFSMPN
- (C) OFUMPN
- (D) OFUNPN

7. Radha moves towards South-East a distance of 7 km, then she moves towards West and travels a distance of 14 km. From here she moves towards North-West a distance of 7 km and finally she moves a distance of 4 km towards east. How far is she now from the starting point?

- (A) 3 km
- (B) 4 km
- (C) 10 km
- (D) 11 km

8. P, Q, R and S are playing a game of carrom. P, R and S, Q are partners. 'S' is to the right of 'R'. If 'R' is facing west, then 'Q' is facing which direction?

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



9. Pointing to a man in the photograph, Khushi says, "This man's son's sister is my mother-in-law." How is the Khushi's husband related to the man in the photograph?

- (A) Grandson
- (B) Son
- (C) Son in law
- (D) Cousin

10. One morning a boy starts walking in a particular direction for 5 Km and then takes a left turn and walks another 5 Km thereafter he again takes left turn and walks another 5 Km and at last he takes right turn and walks 5 Km. Now he sees his shadow in front of him. What direction he did start initially?

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

11. It is 3' o clock in a watch. If the minute hand points towards the North-East then the hour hand will point towards

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

12. Six persons A, B, C, D, E, and F are sitting in two rows with three persons in each row. Both rows are in front of each other. E is not at the end of the any row and D is second left to the F. C is neighbour of E and diagonally opposite to D. If B is neighbour of F, who is in front of C, then who is sitting diagonally to F?

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

13. Find the odd man out: 34, 105, 424, 2123, 12756

- (A) 12756
- (B) 2123
- (C) 424
- (D) 34



14. Find the missing number in the following series?
 3, 5, 5, 19, 7, 41, 9, ?, 11, 109

- (A) 71
- (B) 61
- (C) 69
- (D) 79

15. P, Q, R, S and T are sitting in a line facing west. P and Q are sitting together. R is sitting at south end and S is sitting at North end. T is neighbour of Q and R. Who is sitting the middle?

- (A) P
- (B) Q
- (C) R
- (D) S

16. A man is facing west. He turns 45 degree in the clockwise direction and then another 180 degree in the same direction and then 270 degree in the anticlockwise direction. Find which direction he is facing now?

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

17. In certain code language, if TOUR is written as 1234, CLEAR is written 56784 and SPARE is written as 90847, find the code for CARE?

- (A) 1247
- (B) 4847
- (C) 5247
- (D) 5847

18. Find the next number in the given sequence?
 11, 17, 39, 85, ?, 281, 447

- (A) 133
- (B) 143
- (C) 153
- (D) 163



19. If ROSE is coded as 6821, CHAIR is coded as 73456 and PREACH is coded as 961473, what will be the code for SEARCH?

- (A) 246173
- (B) 214673
- (C) 216473
- (D) 214763

20. In a certain language SIKKIM is written as THLJL, then how is TRAINING written in that code?

- (A) SQBHOHOH
- (B) UQBHOHOF
- (C) UQBJOHOH
- (D) UQBJOHOM

21. Seven friends O, P, Q, R, S, T and U are watching movie sitting in a row. S is sitting at one extreme end. Q is sitting second to the right of S. P is sitting between O and Q. Both U and O are not sitting at extreme end. R is sitting immediate left of T. Who is sitting in the middle?

- (A) O
- (B) P
- (C) Q
- (D) U

22. In certain language, PEAR is coded as 7519, and TOIL is coded as 2693, then how DOCTOR be written in that code?

- (A) 463293
- (B) 463239
- (C) 463269
- (D) 463296

23. Kamal walks 10 Km north from there he walks 6 Km towards south. Then he walks 3 Km towards east. How far and in which direction is he with reference to starting point?

- (A) 5 Km south-east
- (B) 7 Km north-east
- (C) 5 km north-east
- (D) 7 Km south-west



24. There are six persons A, B, C, D, E and F in a family. B is the son of C but C is not the mother of B. A and C are a married couple. E is the brother of C. D is the daughter of A. F is the brother B. Who is the mother B?

- (A) A
- (B) E
- (C) D
- (D) F

25. When Mr. P saw Mr. Q. he recalled, "He is the son of the father of my daughter's mother." Who is Mr. Q to Mr. P?

- (A) Brother
- (B) Cousin
- (C) Nephew
- (D) Brother-in-law

26. Introducing a boy, Akshat said, "His mother is the only daughter of my mother-in-law". How is Akshat related to the boy?

- (A) Uncle
- (B) Father
- (C) Brother
- (D) Husband

27. Showing the man playing the cricket, Ms. P said, "He is the brother of my uncle's daughter". Who is the man to Ms. P?

- (A) Son
- (B) Cousin
- (C) Uncle
- (D) Brother-in-law

28. A, B, C, D, E, F, G, H are sitting in a circle facing the center. D sits 3rd to left of A. E sits to the immediate right of A. B is third to left of D. G second to right of B. C is neighbour of B. C is 3rd to left of H. Who is sitting exactly in between F and E?

- (A) C
- (B) E
- (C) H
- (D) A



29. Find odd one out of the series: 16, 25, 36, 72, 144, 196 and 225.

- (A) 36
- (B) 72
- (C) 196
- (D) 225

30. In a certain system of coding the word "STATEMENT" is written as "TNEMETATS" In the same system of coding the word "POLITICAL" written as:

- (A) LACITILOP
- (B) LACTILIOP
- (C) OPILITACL
- (D) LACATILOP

31. Five persons are living in a five story building. Mr. Mahesh lives in flat above Mr. Ashok. Mr. Lokesh Lives in a flat below Mr. Gaurav and Mr. Rakesh lives in a flat below Mr. Lokesh. Who possibly lives in the ground floor?

- (A) Mr. Rakesh
- (B) Mr. Lokesh
- (C) Mr. Mahesh
- (D) Mr. Gaurav

32. Sunita walked 30 meters towards the East, took a right turn and walked 40 meters. Then she took a left turn and walked 30 meters. In which direction is she now from the starting point?

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

Directions for Q 33 & 34: Nine friends, J, K, L, M, N, O, P, Q and R, are sitting in a row. L is to the right of M and is at the third place to the right of N. K is at one end of the row. Q is seated adjacent to both O and P. O is at the third place to the left of K. J is right next to L and the left of O.

33. Who is immediate left to M?

- (A) N
- (B) R
- (C) L
- (D) J

34. Who is sitting at the center of the row?

- (A) I
- (B) J
- (C) O
- (D) Q

35. Mr. X walks 14 kilometers towards north. From there, he walks 8 kilometers towards South. Then he walks 8 kilometers towards the West. How far and in which direction is he with reference to his starting point?

- (A) 10 Kilometers North-West
- (B) 10 Kilometers West
- (C) 7 Kilometers East
- (D) 7 Kilometers West

36. Find the missing number 2, 3, 8, ?, 3968

- (A) 65
- (B) 63
- (C) 70
- (D) 80

37. In a family, there are six members A, B, C, D, E and F. A & B are married couple. A being the male member. D is only son of C, who is brother of A. E is sister of D. B is daughter-in-law of F, whose husband is died. How C is related to B?

- (A) Brother
- (B) Nephew
- (C) Brother-in-law
- (D) Sister-in-law

38. Pointing to a lady, Suresh said "She is the mother of my son's wife's daughter". How is Suresh related to lady?

- (A) Uncle
- (B) Cousin
- (C) Daughter-in-law
- (D) Father-in-law

39. Mr. X walks northwards. After a while, he turns to his right and a little further to his left. Finally, after walking 500 Meter, he turns to his left again. In which direction is he moving now?

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

40. Pointing to lady, a man said "The son of her only brother is brother of my wife". How is the lady related to man?

- (A) Mother-in-law
- (B) Sister of father-in-law
- (C) Mother of Father-in-law
- (D) Cousin

41. In a certain code, MENTION is written as LNEITNO. How is PRESENT written in that code?

- (A) QFSFTUM
- (B) ONESERP
- (C) QRESTNO
- (D) OERESTN

42. Out of following 41, 43, 47, 53, 61, 71, 83, 95 the odd man out shall be

- (A) 95
- (B) 83
- (C) 71
- (D) 53



43. Deepika starts walking straight towards east. After walking 65 m, she turns to the left and walks 25 m straight. Again she turns to the left and walks a distance of 40 m. At what distance and in which direction currently she is from the initial point?

- (A) 35.35 m in North-East
- (B) 35.35 m in South-West
- (C) 25 m in North
- (D) 25 m in West

44. Seven friends A, B, C, D, E, F, & G are watching movie sitting in a row. E is sitting at one extreme end. C is sitting second to E. B is sitting between A & C. G is not sitting at any extreme end. A is not at any extreme end. D is sitting immediate to F. Who is sitting in the middle?

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

45. Mr. Kartik puts his time piece on the table in such a way that at 6: 00 PM, hours hand points to north. In which direction the minute hand will point at 9: 15 PM?

- (A) South-East
- (B) East
- (C) West
- (D) South-west

46. Shrikant is facing east and turns 120° in the clockwise direction and then turns 180° in the anticlockwise direction. Which direction is Shrikant facing now?

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

47. P, Q, R, S, T and U are 6 members of a family in which there are two married couples. T, a teacher is married to a doctor, who is mother of R and U. Q, the lawyer is married to P. P has one son and one grandson. Of the two married ladies one is a housewife. There is also one student and one male engineer in the family. Which of the following is true about the grand-son of the family?

- (A) He is a lawyer
- (B) He is an engineer
- (C) He is a student
- (D) He is a doctor



48. Neelam, who is Deepak's daughter, says to Deepika "your mother-in-law Rekha is younger daughter of Ramlal, who is my grandfather." How Neelam is related to Deepika?

- (A) sister
- (B) niece
- (C) sister-in-law
- (D) aunt

49. Pointing to a photograph, a woman says "This man's son's sister is my mother-in- law". How is the woman's husband related to the man in the photograph?

- (A) Son
- (B) Son-in-law
- (C) Grandson
- (D) Nephew

50. If A is the brother of B, B is the daughter of C and D is the father of A, then how is C related to D?

- (A) Husband
- (B) Wife
- (C) Granddaughter
- (D) Grandfather

51. Five boys Ajay, Brijmohan, Chandru, Dheeraj and Ehsan are sitting in a park in a circle facing the centre. Ajay is facing South-West, Dheeraj is facing South-East, Brijmohan and Ehsan are right opposite Ajay and Dheeraj, respectively and Chandru is equidistant between Dheeraj and Brijmohan. Which direction is Chandru facing?

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

52. Find the next number in the series: Q1F, S2E, U6D, W21C.....?

- (A) Y66B
- (B) Y44B
- (C) Y88B
- (D) Z66B



53. Pran, Qomal, Ravi, Shalu, Trilok, Urvi, Vasu and Walter are sitting in a row facing North.

- (i) Pran is fourth to the right of Trilok
- (ii) Walter is fourth to the left of Shalu
- (iii) Ravi and Urvi, which are not at the ends, are neighbours of Qomal and Trilok, respectively.
- (iv) Walter is immediate left of Pran and Pran is the neighbour of Qomal.

Identify who are sitting at the extreme ends?

- (A) Pran and Walter
- (B) Trilok and Urvi
- (C) Trilok and Shalu
- (D) Shalu and Pran

54. Find the odd man out in the following series: 190, 145, 136, 352, 460, 324, 631, 244.

- (A) 136
- (B) 244
- (C) 460
- (D) 324

55. Sunita walks a distance of 2 km towards East, turns left and moves 1 km, then turns left and moves 2 km and then turns left again and moves 1 km, then halts. At what distance Sunita is now from the starting point?

- (A) 0 km
- (B) 1 km
- (C) 2 km
- (D) 6 km

56. X is the husband of Y. W is daughter of X. Z is husband of W. N is daughter of Z. What is the relationship of Y to N?

- (A) Cousin
- (B) Niece
- (C) Daughter
- (D) Grand-mother

57. Six friends A, B, C, D, E, and F are sitting around a circular table facing towards the centre of the circle. E is not sitting between B and D. A sits to the left of F and C is fourth to the right of A. D is immediate right of E. Who sits second to right to F?

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



58. Based on the statements given below, find out who is the uncle of P?

- (i) K and J are brothers
- (ii) K's sister is M
- (iii) P and N are siblings
- (iv) N is the daughter of J

- (A) K
- (B) J
- (C) N
- (D) M

59. There are six persons A, B, C, D, E and F in a family. A and B are a married couple and A is a male member. D is the only son of C, who is the brother of A. E is the sister of D. B is the daughter-in-law of F whose husband has died. Who is the mother of C?

- (A) A
- (B) E
- (C) D
- (D) F

60. A says, "B is my sister's son" B says, "C is my father-in-law" C says, "D is my wife's brother. What can be the relationship between A and D?

- (A) Uncle-Nephew
- (B) Brother-Sister
- (C) Father-Son
- (D) Cousins

61. A is B's Sister. C is B's mother. D is C's father. E is D's mother. How is A related to D

- (A) Grandmother
- (B) Grandfather
- (C) Daughter
- (D) Grand Daughter

62. Pointing to a photograph. Ms. X says, "This man's son's sister is my sister in-law". How is the Ms. X's husband related to the man in the photograph?

- (A) Son
- (B) Grandson
- (C) Brother
- (D) Nephew



63. Consider the relations: Raja is husband of Devi, Karan is the father of Gopal; Arjun is the son of Shoba, Ashok is brother of Shoba. Arjun's father Karan is the son-in-law of Devi. How is Raja related to Ashok?

- (A) Father
- (B) Uncle
- (C) Son-in-law
- (D) Grandfather

64. A, B, C, D, E and F are standing in a circle talking, facing inward. E is right to C who is standing 3 places away from D. A is standing 2 seats away from F. Which of the following has to be true?

- (A) A is standing opposite to C
- (B) A is standing next to E
- (C) A is standing next to D
- (D) A is standing next to B

65. X, a male, introduces Y saying, "He is the husband of the granddaughter of the father of my father". How is Y related to X?

- (A) Brother
- (B) Father
- (C) Brother-in-law
- (D) Father-in-law

66. Eight friends A, B, C, D, E, F, G, and H are sitting around a circular table facing the centre. A is sitting two places to the right of B, who is sitting directly opposite D. C is sitting to the immediate left of B and to the immediate right of E. F, who is opposite to G, is not sitting next to A. Who is sitting to the immediate left of H?

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

67. The persons named U, V, W, X, Y and Z are sitting along the circumference of a round table. They are facing the center of the round table. Given: X is the third left of Z and U is the second right of X, W is third to Y's right. Then V is sitting immediate left to

- (A) Y
- (B) U
- (C) W
- (D) X

68. 5 persons are standing in a line. The 2 persons at the extreme ends are a professor and a business man. An advocate is standing to the right of student. An author is to the left of the business man. Counting from the Professor's end the author is at which place?

- (A) 2nd
- (B) 3rd
- (C) 4th
- (D) 5th

69. A car starts from a point, runs 20 kms towards north, turns right and runs 35 kms, turns right again and runs. Which is the direction now it is facing?

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

70. Shyam walks 12 m South from his house, turns left and walks 20 m, again turns left and walks 45 m, then turns right and walks 10 m to reach coffee shop. In which direction is coffee shop from his house?

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

71. If Shyam sees the rising sun behind the tower and setting sun behind the Railway station from his house. What is the direction of tower from the Railway station?

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

72. Five players named as A, B, C, D, and E are sitting on a bench, facing south and are waiting to be interviewed by a selector. The person C is an immediate neighbor of both A and B. The person A is the fourth person from right end; If E is to the right of B, then where is E sitting?

- (A) Fifth from right end
- (B) Fourth from right end
- (C) Fifth from left end
- (D) Second from right end



73. Ram started walking from A, 200 m towards North to reach B. Then he turned right and walks 300 m to reach C. Then he turns right and walks 350 m to reach D. Then he turns left and walks 150 m to reach E. Finally, he turns left and walks 150 m. He arrived at the point F. What is the distance between point A and F?

- (A) 450 m
- (B) 200 m
- (C) 250 m
- (D) 300 m

74. What comes next in the series: FMAMJJASON?

- (A) DJM
- (B) DBM
- (C) DJF
- (D) DDJ

75. In a certain code INACTIVE is written as VITCANIE, How is COMPUTER written in the same code

- (A) PMOCRETU
- (B) ETUPMOCR
- (C) UTEPMOCR
- (D) MOCPETUR

76. In a school cultural committee meeting, four girls Dipti, Aruna, Chandra, Bindu and four boys Gautam, Faneesh, Harendra, Eshaan are sitting in a circle around a table, facing each other as under:

- (i) No two girls or boys are sitting side by side.
 - (ii) Chandra, who is sitting between Gautam and Eshaan, is facing Dipti.
 - (iii) Faneesh is between Dipti and Aruna and facing Gautam.
 - (iv) Harendra is to the right of Bindu.
- Identify the person whom Eshaan is facing.

- (A) Faneesh
- (B) Bindu
- (C) Gautam
- (D) Harendra



77. If Kiran put her time-piece on the table in such a way that at 6:00 PM, hour hand points to East. In which direction the minute hand will be at 9:30 PM?

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

78. Six persons A, B, C, D, E and F are sitting in a row in a straight line. B is between F & D. E is between A & C. A does not sit next to F or D; C does not sit next to D. F is between which of the following persons?

- (A) B & E
- (B) B & C
- (C) B & D
- (D) B & A

Directions for Q 164 & 165: Six persons B, D, C, M, J and K are split into groups of three each and are made to stand in two rows in such a way that a person in one row is exactly facing a person in the other row. M is not at the ends of any row and is to the right of J, who is facing C. K is to the left of D, who is facing M.

79. Who is to the immediate left of B?

- (A) M
- (B) J
- (C) D
- (D) K

80. Which of the following persons are in the same row?

- (A) BDC
- (B) BMJ
- (C) MJK
- (D) MJD

81. Pointing to a man in photograph, a woman said "The father of his brother is only son of my grandfather", then how is that woman related to the man in photograph?

- (A) Daughter
- (B) Sister
- (C) Mother
- (D) Aunty

82. During an interview, seven applicants sitting in a row are awaiting their turn. Chandresh is sitting left to Kuldeep but on the right to Diksha, Reshma is sitting right to Kuldeep, Priyanka is sitting right to Gayatri but left to Diksha. Himani is sitting left to Gayatri. The person sitting in the middle must be:

- (A) Chandresh
- (B) Diksha
- (C) Gayatri
- (D) Priyanka

83. A is B's Father. C is B's mother. D is C's Son. E is A's mother, then how is A related to D?

- (A) Uncle
- (B) Grandson
- (C) Granddaughter
- (D) Father

84. Sandhya is the daughter-in-law of Shailesh and sister-in-law of Rajan. Manak is son of Shailesh and only brother of Rajan. Then, how Sandhya is related to Manak?

- (A) Sister-in-law
- (B) Aunty
- (C) Cousin
- (D) Wife

85. If TAP is coded as SZO in a language, then how is FRIEND coded in same language?

- (A) CMDHQE
- (B) QEDHCM
- (C) EQIENE
- (D) EQHDMC

86. Find the odd man out from the following series: 7, 23, 47, 119, 171, 287

- (A) 119
- (B) 171
- (C) 287
- (D) 7



87. In a certain code, RIPPLE is written as 613382 and LIFE is written as 8192. How is PILLER written in that code?

- (A) 318826
- (B) 318286
- (C) 618826
- (D) 338816

88. AZ, GT, MN,, YB, EV. The value at blank space (.....) will be :

- (A) JH
- (B) SH
- (C) SK
- (D) TS

89. Find the next number in the series 2, 5, 11, 23, 47, ...

- (A) 84
- (B) 95
- (C) 98
- (D) 105

90. If Ajay stands on his head with his face towards North, in which direction will his left hand point?

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

91. One morning after sunrise, A and B were talking to each other face to face very closely at a crossing point. If B's shadow was exactly to the right of A, in which direction B was facing?

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

92. In a multi-storey building on one floor there are six flats in two rows facing East and West and they are allotted to A, B, C, D, E, and F. B gets an East facing flat, which is not next to D. F and D gets diagonally opposite flat. A gets a West facing flat and E gets an East facing flat. Whose flat is between A and F?

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



93. Balkrishna is Ritik's neighbour and his house is 200 meters away in the north- west direction from Ritik's house. Jayendra is Ritik's neighbour and his house is located 200 meters away in the south- west direction from Ritik's house. Girdhari is Jayendra's neighbour and he stays 200 meters away in the south- east direction from Jayendra's house. Ritik is Girdhari's neighbour and his house is located 200 meters away in north-east direction from Girdhari's house. Then where is the position of Ritik's house in relation to Balkrishna's?

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

94. A family consists of six members P, Q, R, S, T & U. There are two married couples. Q is a doctor and father of T; U is grandfather of R and is a contractor; S is grandmother of T and is a house-wife. There is one doctor, one contractor, one Professor, one house-wife and two students in the family. Who is the husband of P?

- (A) T
- (B) S
- (C) R
- (D) Q

95. P is the son of Q while Q & R are sisters to one another. T is the mother of R. If S is son of T, how S is related to P?

- (A) Brother
- (B) Cousin
- (C) Maternal uncle
- (D) Nephew

ANSWER KEY

| | | | | | | | | | |
|----|---|----|---|----|---|----|---|----|---|
| 1 | D | 2 | D | 3 | D | 4 | C | 5 | D |
| 6 | C | 7 | C | 8 | B | 9 | A | 10 | B |
| 11 | D | 12 | C | 13 | B | 14 | A | 15 | B |
| 16 | D | 17 | D | 18 | D | 19 | B | 20 | B |
| 21 | B | 22 | C | 23 | C | 24 | A | 25 | D |
| 26 | B | 27 | B | 28 | D | 29 | B | 30 | A |
| 31 | A | 32 | C | 33 | B | 34 | B | 35 | A |
| 36 | B | 37 | C | 38 | D | 39 | D | 40 | B |
| 41 | D | 42 | A | 43 | A | 44 | D | 45 | C |
| 46 | B | 47 | B | 48 | C | 49 | C | 50 | B |
| 51 | D | 52 | C | 53 | C | 54 | D | 55 | A |
| 56 | D | 57 | C | 58 | A | 59 | D | 60 | D |
| 61 | D | 62 | A | 63 | A | 64 | C | 65 | C |
| 66 | A | 67 | D | 68 | C | 69 | B | 70 | C |
| 71 | D | 72 | A | 73 | A | 74 | C | 75 | B |
| 76 | D | 77 | C | 78 | B | 79 | A | 80 | B |
| 81 | B | 82 | B | 83 | D | 84 | D | 85 | D |
| 86 | B | 87 | A | 88 | B | 89 | B | 90 | C |
| 91 | C | 92 | B | 93 | A | 94 | D | 95 | C |