

**TOPIC : Number series, coding and decoding and odd man out , Direction Tests And Seating arrangement, Blood relations, Syllogism**

Time allowed : 1.5 hrs.

- A is B's brother. C is B's mother. D is C's father. E is D's mother. How is A related to E?  
(a) Grandmother (b) Grand – daughter  
(c) Great grandson (d) Grandson
- X and Y are brothers. R is the father of Y. S is the brother of T and maternal uncle of X. What is T related to R ?  
(a) Mother (b) Wife (c) Sister (d) Brother
- If ROSE is written as TQUG, how BISCUIT can be written in that code ?  
(a) DKUEWKV (b) CJTDVJU (c) DKVEWKV (d) DKUEWKY
- If 'LOSE' is coded 1357 and 'GAIN' is coded as 2468 .What do the figure 82146 for ?  
(a) NGLAI (b) NGLIA (c) GNLIA (d) GNLAI
- If BROTHER is coded 2456784, SISTER coded as 919684, what is coded for BORBERS ?  
(a) 2542849 (b) 2542898 (c) 2454889 (d) 2524889
- Pointing to a photograph Vikas said "She is the daughter of my grandfather's only son". How is she related to Vikas in the photograph ?  
(a) Daughter (b) Brother (c) Sister (d) Mother
- Sita is the niece of Ashok. Ashok's mother is Lakshmi. Kalyani is Lakhshmi's mother. Kalyani's husband is Gopal. Parvathi is the mother – in – law of Gopal. How is Sita related to Gopal ?  
(a) Great grandson's daughter (b) Gopal's Sita's father  
(c) Sita is Gopal's great grand – daughter (d) Grand niece
- Pankaj is facing west. He turns  $45^\circ$  in the clockwise direction and then again another turns with  $180^\circ$  in the same direction i.e. clockwise direction, after than he turns  $270^\circ$  in the anticlockwise direction. Which direction is he facing now ?  
(a) North – West (b) West (c) South – West (d) South
- M and F is a married couple. A and B are sisters. A is the sister of F. Who is B to M ?  
(a) Sister (b) Sister – in – law (c) Niece (d) Daughter
- A is D' brother. D is B's father. B and C are sisters. How is A related to C ?  
(a) Son (b) Grandson (c) Father (d) Uncle

11. Six students A, B, C, D, E and F are sitting in a row facing north. B is between F and D. E is between A and C. A does not stand next to F and D. C does not stand next to D. F is between which of the following pair of students ?
- (a) B and E      (b) B and C      (c) B and D      (d) B and A
12. P is the mother of K, K is the sister of D. D is the father of J. How is P related to J ?
- (a) Mother      (b) Grandmother  
(c) Aunt      (d) Data is inadequate.
13. One evening before sunset, two friends Ram and Shyam were talking to each other face to face. If Ram's shadow was exactly to his left side, which direction was Shyam facing ?
- (a) West      (b) East      (c) North      (d) South
14. A cat is facing North and it moves 2 m, then it turned to its right and moves 2 m and then it moves 1 m in North – East, then it turned to its right and moves 2 m and again it turned to its left and moves 2 m. In which direction is the cat facing ?
- (a) South – East      (b) North East  
(c) South – West      (d) North – West
15. C is wife of B, E is the son of C, A is the brother of B and father of D. What is the relationship of E to D ?
- (a) Mother      (b) Sister      (c) Brother      (d) Cousin
16. Anil said "This girl is the wife of the grandson of my mother". How is Anil related to the girl ?
- (a) Brother      (b) Grandfather  
(c) Husband      (d) Father – in – law
17. Find the missing term in the series : 3, 20, 63, 144, 275 ?
- (a) 354      (b) 468      (c) 54.8      (d) 554
18. Find wrong number of the series 22, 37, 52, 67, 84, 97
- (a) 52      (b) 84      (c) 97      (d) 67
19. Find the missing number : 2, 7, 27, 107, 427, ?
- (a) 1707      (b) 4027      (c) 4207      (d) 1207

**Directions (Q. No. 20 – 24)**

**Study the following information carefully to answer the given questions**

Ten students are A to J are sitting in a row facing west.

- I. B and F are not sitting on either of the edges.
- II. G is sitting left of D and H is sitting to the right of J.
- III. There are four persons between E and A.

- IV. I is the north of B and F is the south of D.
- V. J is between A and D and G is in between E and F.
- VI. There are two persons between H and C.
20. Who is sitting at the seventh place counting from left ?  
 (a) H (b) C (c) J (d) Either H or C
21. Who among the following is definitely sitting at one of the ends ?  
 (a) C (b) H (c) E (d) cannot determined
22. Who are immediate neighbours if I ?  
 (a) BC (b) BH (c) AH (d) cannot determined
23. Who is sitting second left of D ?  
 (a) G (b) F (c) E (d) J
24. If G and A interchange their positions, then who become the immediate neighbours of E ?  
 (a) G and F (b) Only F (c) Only A (d) J and H
25. Shiva starts walking towards North, then turns left and cover some distance, then the turns towards right and walks. After some time he turns to his right and then turns left. In which direction Shiva is walking now ?  
 (a) East (b) South (c) North (d) South - East
26. If South – West becomes North, then what will the North – East be ?  
 (a) North (b) South – East (c) South (d) East
27. After 3 pm on a Sunny day when Vicky was returning from his college, he saw that his uncle was coming from the opposite direction. His uncle talked to him for sometime. Vicky saw that the shadow of his uncle was to his right side. Which direction was his uncle facing during their talk ?  
 (a) North (b) South (c) East (d) None
28. Five boys A, B, C, D and E are sitting in a row facing north. A is to the immediate right of B .and E is on the immediate left of B but on the right of C .and A is on the left of D. Who is second from the left end ?  
 (a) D (b) A (c) E (d) B
29. A is the father of B. C is the daughter of B. D is the brother of B. E is the son of A. What is the relationship between C and E?  
 (a) Brother and sister (b) Cousins  
 (c) Niece and uncle (d) Uncle and aunt
30. Introducing a man, a woman said, “His wife is the only daughter of my mother.” How is the woman related with the man ?  
 (a) Sister – in – law (b) Wife (c) Aunt (d) Mother – in – law

31. Find Odd man out of the following :
- (a) 21                      (b) 36                      (c) 49                      (d) 56
32. Find Odd Man Out : 93, 309, 434, 498, 521, 533
- (a) 309                      (b) 434                      (c) 498                      (d) 521
33. Find the Odd Man Out : 4, 5, 7, 10, 14, 18, 25, 32
- (a) 7                      (b) 14                      (c) 18                      (d) 33
34. A man started to walk East. After moving a distance, he turned to his right. After moving a distance, he turned to his right again. After moving, a little he turned in the end to his left. In which direction was he going now from his standing point ?
- (a) North                      (b) South                      (c) East                      (d) West
35. 7, 26, 63, 124, 215, ?, 511
- (a) 342                      (b) 343                      (c) 441                      (d) 421
36. If Ahmed travels towards North from his house, then to left, then to South covering equal distance in each direction to reach Sohan's house, in which direction is Ahmed's house from sohan's house ?
- (a) East                      (b) South                      (c) North                      (d) West
37. If PALAM could be given the code number 43, what code number can be given to SANTACRUZ ?
- (a) 123                      (b) 85                      (c) 120                      (d) 125
38. Five persons are standing in a line. One of the two persons at the extreme ends is a professor and the other a businessman. An advocate is standing to the right of a student. An author is to the left of the businessman. The student is standing between the professor and the advocate. Counting from the left, the advocate is at which place ?
- (a) 1st                      (b) 2nd                      (c) 3rd                      (d) 5<sup>th</sup>
39. A taxi driver commended his journey from a point and drove 10 kms toward north and turned to his left and drove another 5 kms. After waiting to meet a friend here, he turned to his right and continued to drive another 10 kms. He has covered a distance of 25 kms so far, but in which direction would he be now ?
- (a) South                      (b) North                      (c) East                      (d) South – East
40. Sameer starts from his house and walks 3 kms towards north. Then he turns right and walks 2 kms and then turns right and walks 5kms, then turns right and walks 2 kms and then again turns right and walks 2 kms. Which direction is he facing now ?
- (a) North                      (b) South                      (c) West                      (d) East
41. In a certain language, MADRAS is coded NBESBT, how DELHI is coded in that code ?
- (a) EMMJI                      (b) EFMIJ                      (c) EMFIJ                      (d) JIFEM

Each of the following questions contains two statements followed by two conclusions numbered I and II. You have to consider the two statements to be true, even if they seem to be at variance with the commonly known facts. You have to decide which of the given conclusions definitely follows from the given statements.

**OPTIONS FOR (42 to 50)**

- (a) if only I follows;
- (b) if only conclusion II follows
- (c) if either I or II follows;
- (d) if neither I nor II follows

42. Statement : All lamps are candles.  
Some candles are white.
- Conclusions : I. All candles are lamps.  
II. Some lamps are white
43. Statement : Some dogs are monkeys.  
No monkey is black.
- Conclusions : I. Some dogs are black.  
II. Some monkeys are dogs.
44. Statements : I. Some banks are colleges  
II: All colleges are schools
- Conclusions : I. Atleast some banks are schools.  
II. All schools are colleges
45. Statement : Some rings are coins  
No coin is brown.
- Conclusions : I. Some rings are brown.  
II. Some coins are rings.
46. Statement : All footballers are short.  
Sonu is short
- Conclusions : I. Sonu is a footballer  
II. Sonu is not a footballer
47. Statement : Many actors are directors.  
All directors are dancers.
- Conclusions : I. Some actors are dancers.  
II. No director is an actor.

48. Statements : I. All bottles are glasses.  
II. No cup is a glass  
Conclusions : I. No bottle is a cup.  
II. Atleast some glasses are bottles
49. Statement : I. Some cities are towns.  
II. Some villages are cities  
Conclusions : I. Aleast some villages are towns.  
II. No village is a town
50. Statements : All water is divine.  
All temples are divine.  
Conclusions : I. All water is temple  
II. All temples are water