SIB Reasoning and computer questions with answers

Reasoning & Computer Competency

Directions (1- 5) : Study the following information carefully and answer he given questions: Eight friends P, Q, R, S, T, V, W and Y are sitting around a square table in such a way that four of them sit at four corners of the square while four fit in the middle of each of the four sides. The ones who sit at the four corners face the centre while those who sit in the middle of the sides face outside. P who faces the centre sits third to the right of V. T, who faces the centre, is not an immediate neighbour of V. Only one person sits between V and, W. S sits second to right of Q. Q faces he centre. R is not an immediate neighbour of P.

1. Who sits second to the left of Q ?
(1) V
(2) P
(3) T
(4) Y
(5) Cannot be determined

2. What is the position of T with respect to V ?
(1) Fourth to the left
(2) Second to the left
(3) Third to the left
(4) Third to the right
(5) Second to the right

3. Four of the following five are alike in a certain way and so form a group. Which is the one that does not belong to that group ?
(1) R
(2) W
(3) V
(4) S
(5)Y

4. Which of the following will come in place of the question mark based upon the given seating arrangement?
WP T R QW RS ?
(1) YT
(2) V Y
(3) VQ
(4) PY
(5) QV

5. Which of the following is true regarding R ?
(1) R is an immediate neighbour of V
(2) R faces the centre
(3) R sits exactly between T and S
(4) Q sits third to left of R
(5) None is true

Answers with Explanation :

1. (3) T sits second to the left of Q.
2. (4) T is third to the right of V.
3. (4) R, W, V and Y are sitting in the middle of the sides of the table. S is sitting at the corner.
4. (2) WP and TR represent neighbours. There are two persons between Q and W as well as R and S. Now, we have to choose such pair in which there would be three persons between the two.
5. (5) None of the statements is true

Directions (6 -10) : Study the following information to answer the given questions : In a certain code 'a friend of m i n e' is written as '4 9 16' 'mine lots of m e t a l' is written as ' 3 1 0 9' and 'a piece of m e t a l' is written as '7 1 6 3'.

6. What is the code for 'piece' ?
(1) 3
(2) 6
(3) 1
(4) 7
(5) Cannot be determined

7. What does '9' stand for ?
(1) of
(2) mine
(3) friend
(4) lots
(5) metal

8. Which of the following may represent 'a pleasure of mine' ?
(1) 6309
(2) 5216
(3) 9216
(4) 3694
(5) 5041

9. What does '0' stand for ?
(1) mine
(2) metal
(3) of
(4) lots
(5) a

10. '8 7 3' would mean
(1) a metal piece
(2) metal for friend
(3) piece of advise
(4) friend of mine
(5) large metal piece

Answers with Explanation :

Directions (11 -16) : Study the following information to answer the given questions : Twelve people are sitting in two parallel rows containing six people each, in such a way that there is an equal distance between adjacent persons. In row-1, P, Q, R, S, T and V are seated and all of them are facing south. In row-2, A, B, C, D, E and F are seated and all of them are facing north. Therefore, in the given seating arrangement each member seated in a row faces another member of the other row. A sits third to right of D. Neither A nor D sits at extreme ends. T faces D. V does not face A and V does not sit at any of the extreme ends. V is not an immediate neighbour of T. B sits at one of the extreme ends. Only two people sit between B and E. E does not face V. Two persons sit between R and Q. R is not an immediate neighbour of T. C does not face V. P is not an immediate neighbour of R.

11. Who amongst the following sit at extreme ends of the rows ?
(1) B, E
(2) S, T
(3) P, R
(4) B, F
(5) None of these

12. Who amongst the following faces A ?
(1) R
(2) T
(3) P
(4) Q.
(5) S

13. How many persons are seated between T and S ?
(1) One
(2) Two
(3) Three
(4) Four
(5) None

14. P is related to V in the same way as C is related to F. To which of the following is E related to. following the same pattern ?
(1) B
(2) D
(3) C
(4) A
(5) None of these

15. Which of the following is true regarding F ?
(1) F sits second to right of C
(2) F is not an immediate neighbour of A
(3) F sits third to left of D
(4) F sits at one of the extreme ends of the line
(5) F faces V

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16. Who amongst the following sits exactly between P and Q ?

(1) R

(2) V

(3) S

(4) T

(5) Cannot be determined

Answers with Explanation :

Directions (18-21) : Each of the questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and ----

Give answer (1) if the data in statement I a lone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.

Give answer (2) if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.

Give answer (3) if the data either in statement I alone or in statement II alone are sufficient to answer the question.

Give answer (4) if the data even in both statements I and II together are not sufficient to answer the question.

Give answer (S) if the data in both statements I and II together are necessary to answer the question.

17. W ho amongst L, M, N, O and P is the shortest.

I.   O is shorter than P but taller than N .

II.   M is not as tall as L.

18. Are all the five friends viz. Leena, Arriit, Arun, Ali and Ken who are seated around a circular table facing the centre ?

I. Leena sits second to left of Amit. Amit faces the centre. Arun sits second to right of Leena.

II. Ali sits third to the left of Ken. Ken faces the centre. Amit sits to the immediate left of Ali but Ken is not an immediate neighbour of Amit.

19. Is T grandmother of Q ?

I. P is the mother of Q. Q is the son of R. R is the son of T.

II. L is father of N and N is daughter of T.

20. Point A is towards which direction from point B ?

I. If a person w a l k s 4m to -wards the north from point A, and takes two consecutive right turns, each after walking 4 m, he would reach point C, which is 8m away from point B.

II. Point D is 2m towards the east of point A and 4m towards the west of point B.

21. How many brothers does Bhar - at have ?

I. Shiela, the mother of Bharat has only three children.

II. Meena, the grandmother of Bharat has only one granddaughter

Answers with Explanation :

18.   **(3)**   From statement I

Arun sits second to the right of Leena. If Leena faces the centre then Arun cannot be second to the right of Leena. It means Leena faces outward.

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From statement II

19. **(4)** From statement I Q is the grandson of T. But the gender of T is not given

21. (5) From both the statements Bharat has one brother and one sister.

Quantitative Aptitude

Directions (22-): What will come in place of the question mark (?) in the following questions ?

22. $348 \div 29 \times 15 + 156 = (?)^3 + 120$
(1) 12
(2) 6 **(Ans)**
(3) 36
(4) 9
(5) None of these

Explanation : $180 + 156 - 120 = ?^3$

$216 = ?^3 \Rightarrow ? = \sqrt[3]{216} = 6$

23. $(4 \times 4)^3 \div (512 \div 8)^4 \times (32 \times 8)^4 = (2 \times 2)^{? + 4}$
(1) 8
(2) 12
(3) 6 **(Ans)**
(4) 14
(5) None of these

Explanation : $(4^2)^3 \div (512 \div 8)4 \times (4 \times 4 \times 2 \times 2 \times 4)4 = (4)^{? + 4}$

$\Rightarrow 4^6 \div (4^3)^4 \times (4^4)^4 = (4)^{? + 4}$

$(a^m \times a^n = a^{m+n} : a^m + a^n = a^{m-n})$

$4^6 \div 4^{12} \times 4^{16} = 4^{? + 4}$

$4^{10} = 4^{? + 4} = ? + 4 = 10 = 10 - 4 = 6$

24. $(2\sqrt{392} - 21) + (8 - 7)^2 = (?)^2$
(1) 4
(2) -4
(3) 12
(4) 2
(5) 6

25. The respective ratio between the present ages of Ram and Rakesh is 6 : II, Four years ago the ratio of their ages was 1 : 2 respectively. What will be Rakesh's age after live years ?
(1) 4 5 years
(2) 29 year s
(3) 49 years **(Ans)**
(4) Cannot be determined
(5) None of these

26. The circumference of two circles is 88 metres and 220 metres respectively. What is the difference between the area of the larger circle and the smaller circle ?
(1) 3422 sq. metre
(2) 3242 sq. metre
(3) 3244 sq. metre

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(4) 3424 sq. metre

(5) None of these   **(Ans)**

27. One of the angles of a triangle is two-third of sum of adjacent angles of parallelogram. Remaining angles of the triangle are in ratio 5 : 7 respectively. Wha t is the value of second' largest angle of the triangle ?

(1) 25°

(2) 40°

(3) 35°   **(Ans)**

(4) Cannot be determined

(5) None of these

28. Pradeep invested 20% more than Mohit. Mohit invested 10% less than Raghu. If the total sum of their investment is Rs.17,880, how much amount did Raghu invest ?

(1) Rs.6,000   **(Ans)**

(2) Rs. 8,000

(3) Rs.7,000

(4) Rs.5,000

(5) None of these

29. Average score of Rahul, Manish and Suresh is 63. Rahul's score is 15 less than Ajay and 10 more than Manish. If Ajay scored 30 marks more than the average

score of Rahul, Manishand Suresh, what is the sum of Manish's and Suresh's scores ?

(1) 120

(2) 111   **(Ans)**

(3) 117

(4) Cannot be determined

(5) None of these

30. Fifty three per cent of a number is 358 less than the square of 26. What is the value of three-fourth of 23 per cent of that number ?

(1) 101

(2) 109.5

(3) 113

(4) 103.5   **(Ans)**

(5) None of these

31. As per the decision taken by the Government of India now the National Rural Employment Guarantee Act is extended to all the districts of India. Thi s means it will now be applicable to about

(1) 200 districts

(2) 300 districts

(3) 400 districts

(4) 500 districts

(5) 600 districts   **(Ans)**

32. W h i c h of the following is the amount of insurance cover provided to the workers of the unorganised sector under Rashtriya Swasthya Bima Yojana ?

(1)Rs. 10,000

(2) Rs. 20,000

(3) Rs. 30,000 **(Ans)**
(4) Rs. 40,000
(5) Rs. 50,000

33. Which of the following banks has taken over the Centurion Bank of Punjab ?
(1) ICICI Bank **(Ans)**
(2) IDBI Bank
(3) HDFC Bank
(4) AXIS Bank
(5) None of these

34. Unique Identification Authority of India will set up data base for
(1) Identity and biometrics details of Indian residents
(2) Identity and biometrics details of Indian citizens **(Ans)**
(3) Identity and biometrics details of person's residents in India or visiting India
(4) All the above
(5) None of these

35. The biggest Public Sector under -taking in the country is
(1) Iron & steel plants
(2) Roadways
(3) Railways **(Ans)**
(4) Airways
(5) None of these

36. Which of the following is Horticulture Crop ?
(1) Paddy
(2) Wheat
(3) Mango **(Ans)**
(4) Bajara
(5) None of these

37. Which of the following nation is considered the originator of the concept of Micro Finance?
(1) India
(2) Bangladesh **(Ans)**
(3) South Africa
(4) USA
(5) None of these

38. Very often we read in news papers about 3G or 3rd Generation technology. This is a set of standards used for which of the following purposes ?
(1) To combat climatic changes
(2) Production of Nuclear Energy
(3) Film Production
(4) Mobile Telecommunications **(Ans)**
(5) All of these

39. What is the full form of 'ULIP, the term which was in the news recently ?

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(1) Universal Life & Investment Plan
(2) Unit Loan & Insurance Plan
(3) Universal Loan & Investment Plan
(4) Uniformly Loaded Investment Plan
(5) Unit Linked Insurance Plan   **(Ans)**

40. The main function of I. M. F. is to
(1) Finance investment loans to developing countries
(2) Act as a private sector lending arm of the World Bank
(3) Help to solve balance of payment problems of member countries   **(Ans)**
(4) Arrange international deposits from banks
(5) None of these

41. The difference between visible exports and visible imports is defined as
(1) Balance of trade   **(Ans)**
(2) Balance of payment
(3) Balanced terms of trade
(4) Gains from trade
(5) All the above

42. Invisible Export means export
(1) Services   **(Ans)**
(2) Prohibited goods
(3) Unrecorded goods
(4) Goods through smuggling
(5) All the above

43. Indira Gandhi Canal which is around 450 km long provide Irrigation facility mainly to which of the following states ?
(1) Punjab
(2) Haryana
(3) Madhya Pradesh
(4) Gujarat
(5) Rajasthan   **(Ans)**

44. The rate of MAT has been increased from the present 15% to 18% with effect from April 2010 . What the full form of M A T ?
(1) Maximum Alternate tax
(2) Minimum Alternate Tax   **(Ans)**
(3) Minimum Affordable Tax
(4) Maximum Affordable Tax
(5) None of these

45. RBI has asked banks to make a plan to provide banking services to all villages having a population upto 2000. This directive issued by the RBI will fall in which of the following categories ?
(1) Plan for Financial Inclusion   **(Ans)**
(2) Efforts to meet the targets of Priority Sector Lending
(3) Extension of Relief Packages to the Farmers

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(4) Plan for opening mor e rural branches

(5) None of these

46. Which of the following is not a part of the scheduled banking structure in 'India ?

(1) Money Lenders   **(Ans)**

(2) Public Sector Banks

(3) Private Sector Banks

(4) Regional Rural Banks

(5) State Co-operative Banks

47. The rate of interest on Savings Bank Account is stipulated by

(1) The concerned bank

(2) RBI   **(Ans)**

(3) Indian Banks Association

(4) Government of India

(5) Banking Code s and Standards Board of India

48. Many times we read a term CBS used in banking operation. What is the full form of the letter 'C in the term 'CBS' ?

(1) Core   **(Ans)**

(2) Credit

(3) Continuous

(4) Complete

(5) None of these

49. In the year 2010 , Common -wealth Game s were organised in which of the following countries ?

(1) China

(2) South Africa

(3) Canada

(4) Brazil

(5) India   **(Ans)**

50. Which of the following metals is used for generation of nuclear Energy by most of the Nuclear Power Plants ?

(1) Zinc

(2) Platinum

(3) Uranium   **(Ans)**

(4) Nickel

(5) None of these