APPENDIX-E

PROBLEM SOLVING ABILITY TEST

Please fill in the following information:

Name...................................................... Age..............

School..............................................

INSTRUCTIONS

In this test, some problem related questions along with their four possible answers are given. You have to write the serial number of the correct answer in the brackets given against that question. To complete this a time of 40 minutes is given.

Example: 3 persons are available for 3 posts. One post is to be assigned to each person. In how many ways the post can be assigned to them?

(1) 6    (2) 3    (3) 4    (4) 8 [2]

3 persons can be assigned 3 vacant posts in 3 ways only, therefore the correct answer of the above question is 3, whose answer is the serial 2, so 2 is written in the brackets of answer. You have to solve all the answers similarly. Remember you have to write correct answer in the space for answer.

1. Rajeev has 35 notes of 100 rupees denomination in serial. If 12965 is the number of first note, what will be the number of last note?

(1) 13999    (2) 13000    (3) 12999    (4) 13001 [   ]

2. There are four married sons of a husband and wife in a family. Each son has 4 children. Then how many members are there in the family?

(1) 16    (2) 20    (3) 24    (4) 26 [   ]
3. Write two such numbers which are having their total as 30 and difference as 20.
(1) 15:15  (2) 28:10  (3) 25:5  (4) 28:2  [  ]

4. One person is 4 years elder than her wife. His wife is 10 times older than her daughter. Her daughter will be 6 years old after 2 years, then what is the present age of the person?
(1) 40 years  (2) 44 years  (3) 48 years  (4) 42 years  [  ]

5. There are two taps in a tank. One tap fills that tank in 10 hours and the other tap empties it in 8 hours. If both the taps are opened simultaneously, then in how many hours the tank will be filled completely?
(1) in 10 hours  (2) in 13 hours  (3) in 18 hours  (4) will never fill  [  ]

6. A soldier from his camp goes 6 miles straight to the north. Then after going 6 miles straight in the east goes 5 miles in the south. From there turning to right goes 6 miles. Now how many miles away he is from his camp?
(1) 21 miles  (2) 16 miles  (3) 1 mile  (4) 11 miles  [  ]

7. There is a difference of 40 between 6 times and 8 times of a number then what is that number?
(1) 240  (2) 320  (3) 40  (4) 20  [  ]

8. Smt. Shakuntla said to her daughter Sudha that I were of your age when you were born. If the present age of Smt. Shakuntla is 40 years, what would have been the age of Sudha 4 years before?
(1) 14 years  (2) 17 years  (3) 20 years  (4) 24 years  [  ]

9. Adding twice of any number in that number and subtracting half of that number comes 50, then what will be the number?
(1) 50  (2) 40  (3) 30  (4) 20  [  ]

10. A fish is 20 inch long. Its length of head is equal to that of tail. The length of tail would have been equal to its body if the length of the head had been twice. What will be the length of the body of the fish?
(1) 6 inches  (2) 8 inches  (3) 30 inches  (4) 12 inches  [  ]

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11. Age of Madhu is 18 years. She was twice the age of Sharad before 6 years when she was of the age of marriage then what was the age of Sharad at that time?
   (1) 6 years  (2) 10 years  (3) 12 years  (4) 14 years

12. The cost of whitewashing of four walls of the room comes to RS.10. What will be the cost of whitewashing a room exactly twice the length, breadth and height of the room?
   (1) RS.20  (2) RS.40  (3) RS.80  (4) RS.120

13. A number with itself is added. Same number is subtracted from the total, then the remainder is multiplied with the same number. If the product is 100 what will be that number?
   (1) 100  (2) 50  (3) 20  (4) 10

14. 'A' gains 10% more profit than 'B' then what percent of loss occurs to 'B' than 'A'?
   (1) 0% loss  (2) Neither profit nor loss  (3) 90% loss  (4) Cannot say

15. A six digit number is formed by repeating three digit number. For example 538538 or 235235. By which number this so formed number can be divided completely?
   (1) 8  (2) 11  (3) 14  (4) 18

16. A student of psychology had to obtain 20% marks for passing. He got 20 marks and he failed by 20 marks then how many marks he obtained in that paper?
   (1) 50  (2) 100  (3) 200  (4) 400

17. Think of a number, after dividing it by 4 add 9 in the quotient. If answer comes 15, that number will be?
   (1) 20  (2) 24  (3) 36  (4) 48

18. A milk seller has one litre water in different bottles. He exchanged half of the quantity among two of the bottles. He did so three times. Then tell what is the ratio of milk and water?
   (1) 75:25  (2) 50:50  (3) 1/3:2/3  (4) 25:27
19. Kalpana, Sadhana, Rahul and Ashish have to deliver speech in the class. In how many ways teacher can arrange their turn?
(1) 4  (2) 8  (3) 12  (4) 16  [  ]

20. Every person shook hands with each other after the end of the party. How many persons were there in the party if 28 times in all hands were shaken?
(1) 14  (2) 18  (3) 8  (4) 10  [  ]

Score................................................................................

Category........................................................................

Problem Solving Ability Test – Key
(1) 3  (2) 4  (3) 3  (4) 4  (5) 4  (6) 3  (7) 4  (8) 2  (9) 4  (10) 4  (11) 1
(12) 2  (13) 4  (14) 3  (15) 2  (16) 3  (17) 2  (18) 2  (19) 4  (20) 3