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Aptitude and Reasoning

Section 1 – Aptitude and Reasoning

*1. The smallest 3-digit prime number is:
   A. 103
   B. 107
   C. 109
   D. 113
   E. None of the above

*2. 8796 x 223 + 8796 x 77 = ?
   A. 2736900
   B. 2638800
   C. 2658560
   D. 2716740
   E. None of the above

*3. Total number of digits used in numbering the pages of a book having 366 pages is:
   A. 732
   B. 990
   C. 1098
   D. 1305
   E. None of the above

*4. If a - b = 3 and a + b = 15, then find the value of a x b:
   A. 14
   B. 28
   C. 15
   D. 36
   E. None of the above

*5. A total of 324 coins of 20 paise and 25 paise makes a sum of 71 rupees. The number of 25-paise coins is:
   A. 120
   B. 124
   C. 144
   D. 200
   E. None of the above

*6. A man has some hens and cows. If the number of heads is 48 and the number of feet is 140, then the number of hens will be:
   A. 22
   B. 23
   C. 24
   D. 26
   E. None of the above

*7. The average of the first five multiples of 3 is:

   A. 3
   B. 9
   C. 12
   D. 15
   E. None of the above

*8. The difference between a number and its three-fifth is 50. What is the number?

   A. 75
   B. 100
   C. 125
   D. None of the above

*9. The sum of ages of a father and his son is 45 years. Five years ago, the product of their ages was 34. The ages of the son and father are respectively:

   A. 6 and 39
   B. 7 and 38
   C. 9 and 36
   D. 11 and 34

*10. What is 15 percent of 34?

   A. 3.40
   B. 3.75
   C. 4.50
   D. 5.10

*11. A man buys a cycle for Rs. 1400 and sells it at a loss of 15%. What is the selling price of the cycle?

   A. Rs. 1090
   B. Rs. 1160
   C. Rs. 1190
   D. Rs. 1202

*12. A does the work in 10 days and B does the same work in 15 days. In how many days will they together do the same work?

   A. 5 days
   B. 6 days
   C. 8 days
   D. 9 days

*13. One card is drawn from a pack of 52 playing cards. What is the probability that the card drawn is either a red card or a king?

   A. 1/2
   B. 6/13
   C. 7/13
   D. 27/52
   E. None of the above

*14. Find the next number in the given series: 2, 5, 9, 19, 37, ...

   A. 76
   B. 74
   C. 75
   D. 77
   E. None of the above

*15. Cat : Mouse is related to:
   A. Horse : Stable
   B. Bird : Worm
   C. Trap : These
   D. Lion : Cage

*16. Wrestling, Karate, Boxing, ...
   A. Swimming
   B. Polo
   C. Pole-vault
   D. Judo

*17. 'He is the only son of my mother's mother.' - A woman introduced a man. How is the woman related to that man?
   A. Mother
   B. Aunt
   C. Sister
   D. Niece

*18. Arrange the words in alphabetical order and tick the word that comes at the second place:
   A. Gourd
   B. Gesture
   C. Gentle
   D. Genuine
   E. Generous

*19. If REMOTE is coded as ROTEME, which word would be coded as PNIICC?
   A. NPIICC
   B. PICCIN
   C. PINCIC
   D. PICNIC
   E. PICINC

*20. In a row of trees, one tree is fifth from either end of the row. How many trees are there in the row?
   A. 7
   B. 9
   C. 11
   D. 13