1. In how many different ways can the letters of the word MONEY be arranged ? (a) 25 (b) 55 (c) 120 (d) 250
2. In how many different ways can the letters of the word SONG be arranged ? (a) 16 (b) 64 (c) 24 (d) 12
3. How many meaningful or meaningless words that can be formed by arranging all the letters of CORONA?(a) 720 (b) 360 (c) 250 (d) 240
4. How many meaningful or meaningless words that can be formed using all the letters of INVISIBLE?(a) 9! (b) 9!/3! (c) 9!/3!2! (d) 10!
5. In how many different ways can the letters of the word 'LEADING' be arranged in such a way that the vowels always come together? a) 360 b) 480 c) 720 d) 5040
6. In how many different ways can the letters of the word 'CORPORATION' be arranged so that the vowels always come together? a) 810 b) 1440 c) 2880 d) 50400
7. In how many different ways can the letters of the word 'MATHEMATICS' be arranged so that the vowels always come together? a) 10080 b) 4989600 c) 120960 d) None of these
8. How many meaningful or meaningless words that can be arranged using all the letters of CORONA such that the vowels are not together ?(a) 72 (b) 36 (c) 25 (d) 24
9. How many 6 digit telephone numbers can be formed if each number starts with 35 and no digit appears more than once? a) 360 b) 720 c) 1200d) 1680
10. Without repetition, using digits 2, 3, 4, 5, 6, 8 and 0, how many numbers can be made which lie between 500 and 1000?a) 70b) 147c) 60d) 90
11. How many 4 digit Numbers can be made from the digits 7, 8, 5, 0, and 4 without repetition? a) 42b) 84c) 96d) 100
12. How many 3-digit numbers can be formed from the digits 2, 3, 5, 6, 7 and 9, which are divisible by 5 and none of the digits is repeated? a) 5 b) 10 c) 15 d) 20
13. How many 3 digits numbers have exactly one digit 2 in the number? a) 225 b) 200 c) 175 d) 150
14. The number of 6-digit even numbers that can be made from the number 214635 are (repetition not a allowed)(a) 18(b) 72(c) 120(d) 360
15. In how many ways a committee, consisting of 5 men and 6 women can be formed from 8 men and 10 women? a) 266 b) 5040 c) 11760 d) 86400
16. There are 8 men and 7 women. In how many ways a group of 5 people can be made such that the particular woman is always to be included? a) 900 b) 959 c) 1000 d) 1001
17. A trekking group is to be formed having 6 members. They are to be selected from 3 girls, 4 boys and 5 teachers. In how many ways can the group be formed so that there are 3 teachers and 3 boys or 2 girls and 4 teachers?a) 55b) 90c) 27d) 144
18. In a room there are 2 green chairs, 3 yellow chairs and 4 blue chairs. In how many ways can Raj choose 3 chairs so that at least one yellow chair is included?a) 3b) 30c) 64d) 84
19. In a group of 6 boys and 4 girls, four children are to be selected. In how many different ways can they be selected such that at least one boy should be there? a) 159 b) 194 c) 205 d) 209
20. There are 8 routes from London to Delhi. And there are 6 routes from Delhi to Tokyo. In how many different ways can Raj travel from London to Tokyo via Delhi?a) 100b) 48c) 24d)14
21. 25 buses are running between two places P and Q. In how many ways can a person go from P to Q and return by a different bus?a) 376 b) 480c) 600 d) 715
22. If the letters of the word SACHIN are arranged in all possible ways and these words are written out as in dictionary, then the word ‘SACHIN’ appears at serial number :a) 350 b) 375c) 601 d) 676