

ONLINE COACHING DAY - 91 (10-07-19) PERMUTATION AND COMBINATION

KERALA PSC SPECIAL



Name of the Candidate *

M-2 ▼

Place *

Thrissur ▼

Contact Number *

XXXX

Questions

Please Watch The Online Videos (1-4) 

https://youtu.be/ARZp_eXeJMg
<https://youtu.be/vKPpHL-wAFk>
<https://youtu.be/pnAZpA8wXgw>
<https://youtu.be/qwPWPB-6Lck>

1. From a group of 7 men and 6 women, five persons are to be selected to form a committee so that at least 3 men are there on the committee. In how many ways can it be done? *

1 point

- 564
- 645
- 735
- 756

2. In how many different ways can the letters of the word 'LEADING' be arranged in such a way that the vowels always come together? *

1 point

- 360
- 480
- 720
- 5040

3. In how many different ways can the letters of the word 'CORPORATION' be arranged so that the vowels always come together? *

1 point

- 810
- 1440
- 2880
- 50400

4. Out of 7 consonants and 4 vowels, how many words of 3 consonants and 2 vowels can be formed? *

- 210
- 1050
- 25200
- 21400

5. In how many ways can the letters of the word 'LEADER' be arranged? * 1 point

- 72
- 144
- 360
- 720

6. 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? *

- 159
- 194
- 205
- 209

7. In how many ways a committee, consisting of 5 men and 6 women can be formed from 8 men and 10 women? *

- 266
- 5040
- 11760
- 86400

8. A box contains 2 white balls, 3 black balls and 4 red balls. In how many ways can 3 balls be drawn from the box, if at least one black ball is to be included in the draw? *

1 point

- 32
- 48
- 64
- 96

9. In how many different ways can the letters of the word 'DETAIL' be arranged in such a way that the vowels occupy only the odd positions? *

1 point

- 32
- 48
- 36
- 60

10. In how many ways can a group of 5 men and 2 women be made out of a total of 7 men and 3 women? *

1 point

- 63
- 90
- 126
- 45

11. How many 4-letter words with or without meaning, can be formed out of the letters of the word, 'LOGARITHMS', if repetition of letters is not allowed? *

1 point

- 40
- 400
- 5040
- 2520

12. In how many different ways can the letters of the word 'MATHEMATICS' be arranged so that the vowels always come together? *

1 point

- 10080
- 4989600
- 120960
- None of these

13. In how many different ways can the letters of the word 'OPTICAL' be arranged so that the vowels always come together? *

1 point

- 120
- 720
- 4320
- 2160

14. What is the number of possible words that can be made using the word "EASYQUIZ" such that the vowels always come together? *

1 point

- 120
- 720
- 2880
- 4320

15. What is the number of possible words that can be made using the word "QUIZ" such that the vowels never come together? *

1 point

- 8
- 12
- 16
- 24

16. How many words can be made from the word "APPLE" using all the alphabets with repetition and without repetition respectively? *

- 1024, 60
- 60, 1024
- 1024, 1024
- 240, 1024

17. How many ways a 6 member team can be formed having 3 men and 3 ladies from a group of 6 men and 7 ladies? *

- 700
- 720
- 120
- 500

18. In how many ways can an interview panel of 3 members be formed from 3 engineers, 2 psychologists and 3 managers if at least 1 engineer must be included? *

- 30
- 15
- 46
- 45

19. How many 4-digit numbers can be formed from the digits 1, 2, 3, 4, 5, 6 and 7 which are divisible by 5 when none of the digits are repeated? *

- 120
- 35
- 24
- 720

20. In how many ways can 20 boys and 18 girls make a queue such that no two girls are together? *

1 point

- 20!* 20C18
- 20!* 20P18
- 20!* 21C18
- 20!* 21P18

21. There are 5 floating stones on a river. A man wants to cross the river. He can move either 1 or 2 steps at a time. Find the number of ways in which he can cross the river? *

1 point

- 11
- 12
- 13
- 14

22. Out of 7 boys and 4 girls, how many queues of 3 boys and 2 girls can be formed? *

1 point

- 120
- 25200
- 24800
- 1440

23. Out of 6 engineers and 4 doctors, how many groups of 4 professionals can be formed such that at least 1 engineer is always there? *

1 point

- 129
- 109
- 229
- 209

24. In how many different ways can the alphabets of the word 'SCORING' be arranged so that the vowels always come together? * 1 point

- 120
- 720
- 240
- 1440

25. The value of ${}^{75}C_2$ is: * 1 point

- 1215
- 2315
- 2775
- 1675

Thank You!!! 

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