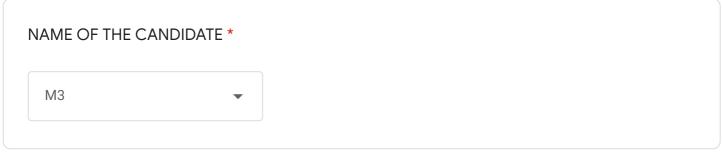
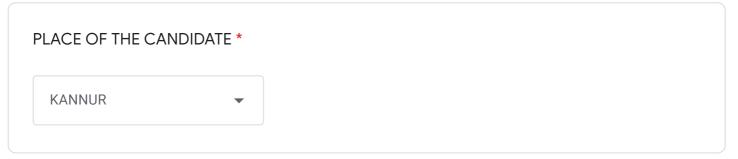
108 Days Online Coaching Day (23)~28/01/2021, THURSDAY

PERMUTATION & COMBINATION







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 $\frac{https://www.youtube.com/watch?v=ARZp_eXejMg}{https://www.youtube.com/watch?v=vKPpHL-wAFk}$

Q.1. In an examination, a candidate is required to pass all five different subjects. The 1 point number of ways he can fail is: *
31
O 32
O 30
O 29
Q.2. In how many ways can you rearrange the word JUMBLE such that the rearranged 1 point word starts with a vowel? *
O 160
240
O 60
320
Q.3. In how many different ways can the letters of the word 'LEADING' be arranged in 1 point such a way that the vowels always come together? *
5040
O 480
O 360
720

Q.4 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
5200	
5040	
5060	
5080	
Q.5. 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	
Q.6. In how many different ways can the letters of the word 'OPTICAL' be arranged so that the vowels always come together? *	O 1 point
O 120	
O 4320	
2160	
720	

Q.7. In how many different ways can the letters of the word 'CORPORATION' be arranged so that the vowels always come together? *	1 point
50400	
O 42000	
O 47200	
48000	
Q.8. In how many different ways can the letters of the word 'DETAIL' be arranged suc that the vowels must occupy only the odd positions? *	h 1 point
36	
O 64	
O 120	
O 86	
Q .9: 4 boys and 2 girls are to be seated in a row such a way that 2 girls are always together.In how many different way can they be seated? *	1 point
O 210	
240	
O 250	
O 260	

Q .10: How many words can be formed by using all letters of the word 'BIHAR'? *	1 point
720	
O 60	
120	
O 24	
Q .11: *	1 point
What is the value of 100P2?	
12000	
9900	
O 5600	
9801	
Q 12: In how many different ways can the letters of the word 'RUMOUR' be arranged? *	1 point
O 128	
O 160	
180	
O 148	

Q .13 . In how many ways can three boys can be seated on five chairs? *	1 point
O 80	
60	
O 30	
O 120	
Q 14: There are 6 persons in an office. A group consisting of 3 persons has to be formed. In how many ways can the group be formed? *	1 point
20	
O 10	
O 30	
40	
Q 15: A coin is tossed 3 times. Find out the number of possible outcomes *	1 point
8	
O 10	
O 2	
O 1	

Q .16 . In how many different ways can the letters of the word 'JUDGE' be arranged such that the vowels always come together? *	1 point
O 32	
48	
O 64	
O 88	
Q 17: Using all the letters of the word 'THURSDAY', how many different words can be formed? *	1 point
O 7	
7!	
8	
8i	
Q 18 . Find the number of words, with or without meaning, that can be formed with the letters of the word 'INDIA'. *	1 point
O 50	
O 30	
O 120	
60	

Q 19: How many different words can be formed with the letters of the word 'SUPER' such that the vowels always come together? *	1 point
48	
O 56	
O 64	
Q 20: Solve the following *	1 point
i) ³⁰ P ₂	
ii) $^{30}\text{C}_2$	
870, 435	
435, 870	
870, 470	
435, 835	
THANK YOU	

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