ECAT (Pre-Eng) Mathematics Chapter 9 Permutation, Combination and Probability

Sr	Questions	Answers Choice
1	n different objects can be arranged taken all at a time in _____	A. (n + 1)! ways B. (n - 1)! ways C. n! ways D. n ways
2	Question Image	
3	How many arrangements of the letter of the word PAKPATTAN can be made	
4	If two balls are drawn from a bag containing 3 white, 4 black and 5 red balls. Then the probability that the drawn balls are of different colours is	A. 1 / 66 B. 3 / 66 C. 19 / 66 D. 47 / 66
5	How many signals can be given by 5 flags of different colours, using 3 flags at a time	A. 120 B. 60 C. 24 D. 15
6	Question Image	
7	In a class of 100 students, 60 drink tea, 50 drink coffee and 30 drink both. A student from his class is selected at takes at last one of 2 drinks is	A. 2 / 5 B. 3 / 5 C. 4 / 5 D. None of these
8	probability of a certain event is	A. 0 B. -1 C. 1 D. ∞
9	Question Image	A. 110 B. 220 C. 1320 D. None of these
10	How many arrangements of the letters of the word PAKISTAN cab be made	
11	A and B throw a dice. The probability that A's throw is not greater then B's is	A. 5 / 12 B. 7 / 12 C. 1 / 6 D. 1 / 2
12	If n is a positive integer then n! is	A. (n - 1) (n - 2) .....3,.2.1 B. n(n - 1) (n - 2) ...3.2.1 C. n(n - 1) (n -2) ... 3 D. None of these
13	(n + 2) (n + 1) n= _____	
14	20. 19. 18. 17= _____	
15	A class contains nine boys and three girls, in how many ways can the teacher choose a committee of four?	A. 60 B. 460 C. 495 D. 272
16	Five engineering, four mathematics, two chemistry books are placed on a table at random.The probability that the books of each kind are all together is	
17	Question Image	
18	0! = _____	A. 0 B. 1 C. 2 D. Not defined
19	The domain of a finite sequence is a	A. Set of natural numbers B. R C. Subset of N D. Proper subset of N
		A. 3 / 10

20	An integer is chosen at random from the number ranging from 1 to 50. the probability that the integer chosen is a multiple of 2 or 3 or 10 is	B. 5 / 10 C. 7 / 10 D. 9 / 10