ECAT Mathematics Chapter 9 Permutation, Combination & Probability

Sr	Questions	Answers Choice
1	There are n seats round a table numbered 1, 2, 3 .... n. The number of ways in which m person can take seats is	A. ⁿP_m B. ⁿC_mx (m - 1) ! C. ⁿ⁻¹P_m D. None of these
2	In how many ways can 5 persons be seated at a round table	A. 5! B. 4! C. 3! D. 120
3	The number of permutation that can be formed from the letters of the word OBJECT is	A. 700 B. 600 C. 720 D. 620
4	In a country 55% of the male population has houses in cities while 30% have houses both in cities and in villages find the percentage of the population that has houses only in villages	A. 45 B. 30 C. 25 D. 50
5	If S is a sample space and event set E = S then P(E) is	A. >0 B. 1 C. <1 D. 0
6	0! = _____	A. 0 B. 1 C. 2 D. Not defined
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	Question Image	
9	The probability to get an odd number in a dice thrown once is	A. 1/2 B. 1/6 C. 1/3 D. 2
10	If n is a negative integer n! is	A. 1 B. 0 C. Unique D. Not defined
11	The probability that a slip of number divisible by 4 is picked from the slips bearing numbers 1, 2, 3, ...10 is	A. 1/5 B. 1/4 C. 1/3 D. 1/2
12	(n + 2) (n + 1) n= _____	
13	Question Image	A. 36 B. 360 C. 24 D. 6
14	Question Image	
15	Two cards are drawn at random without replacement. the probability that the first is a king and second is not a king is	A. 48 / 663 B. 24 / 663 C. 12 / 663 D. None of these
16	8 . 7 . 6. 5 in factorial form is	
17	Question Image	
18	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
19	Question Image	
20	A key ring is an example of	A. Permutation B. Circular permutation C. Combination D. None