ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	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
2	If A is non-empty set, any subset of A x A is called a relation in	A. A B. B C. $\varnothing$ D. r
3	A sequence is a functions whose domain is a subset of the set of	A. Natural numbers B. Real numbers C. Whole numbers D. Rational numbers
4	Question Image	A. hypothesis B. implication C. consequent D. conditional
5	If S = {3,6,9,12.......}, then	A. S = Four multiples of 3 B. S = Set of even numbers C. S = Set of prime numbers D. S = All multiples of 3
6	A coin is tossed. If head comes up, a die is thrown but if tail comes up, the coin is tossed again. The probability of obtaining a head and an even number is	A. 1/8 B. 2/8 C. 3/8 D. None of these
7	Name the property used in a (b-c) = ab - ac	A. commutative property of multiplication B. distributive property of multiplication C. associative property of multiplication D. multiplicative inverse
8	Period of cos 2x is _____	
9	The transport of a null matrix is	A. Row matrix B. Column matrix C. Square matrix D. Null matrix
10	The exact value of cos-1 (0) is	A. π/2 B. -π/2 C. 3π D. π-π/6
11	Question Image	A. \\<i>π / 3\</i>\ B. \<i style="text-align: center;">π / 4\</i> C. \<i style="text-align: center;">π / 2\</i> D. \<i style="text-align: center;">π\</i>
12	If A, G, H are the arithmetic, geometric and harmonic means between a and b respectively then A, G, H are in	A. A. P. B. G. P. C. H. P. D. None of these
13	The multiplicative inverse of x such that x = 0 is	A. -x B. does not exist C. 1/x D. 0
14	For any set B,B∪B' is	A. Is set B B. Set B' C. Universal set

15	Question Image	

16	Question Image	A. Rational fraction B. Proper fraction C. Improper rational fraction D. None of these

17	Number of combination of zero or more things out of n different things	A. nPn B. nPr C. nCr D. 2n

18	$(2 + w)(2 + w^2) = _____$	A. 1 B. 2 C. 3 D. 0

19	Question Image	A. An expression B. Rational fraction C. Equation D. Identity

20	The product of the four fourth roots of unity is	A. 0 B. 1 C. -1 D. None of these