ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Question Image	
2	The set (Z,+) forms a group	A. Forms a group w.r.t addition B. Non commutative group w.r.t multiplication C. Forms a group w.r.t multiplication D. Doesn't form a group
3	Group of none-singular matrices under multiplication is	A. None-Abelian group B. Semi group C. Abelian group D. None of these
4	f(x) = $2x^2$+ 3x + 5 is a	A. trigonometric function B. algebraic function C. exponential function D. logarithmic function
5	A disjunction of two statement p and q is true	A. p is false B. q is false C. Both p and q are false D. One of p and q is true
6	A box containing 10 mangoes out of which 4 are rotter. Two mangoes are taken together from the box. If one of them is found to be good, the probability that the other is also good is	A. 1 / 3 B. 8 / 15 C. 5 / 13 D. 5 / 9
7	Question Image	
8	If x, y, z are the pth, qth, rth terms of an A.P. and also of G.P., then x^{y-z}. y^{z-x}. z^{x-y}eqals	A. xyz B. 0 C. 1 D. None of these
9	Question Image	B. 6x + 2 + c C. 6x + x²+ c D. 6x³+ x²+ x
10	If f(x) = x^2then f(2) is	A. -2 B. 2 C. 4 D. -4
11	Question Image	A. 4A - 3I B. 3A - 4I C. A - I D. None of these
12	Question Image	A. mx B. x/m C. mx^{m-1} D. xm^{m-1}
13	Φset is the _____ of all sets?	A. Subset B. Union C. Universal D. Intersection
14	Question Image	A. 0 B. 1 C. 2 D. 3
15	Domain of cot$\theta$is	
16	The curve f(x,y) = 0 has a central symmetry if	A. f(-x,-y)=f(x,y) B. f(x,-y)=f(x,y) C. f(-x,y)=f(x,y) D. f(-x,-y)≠f(x,y)
		A. associative law of addition

17	If a and b are real numbers then a+b is also real number this law is called	A. associative law of addition B. closure law of addition C. Distributive law of addition D. Commutative law of addition
18	The decimal fraction in which we have finite number of digits in its decimal part is called.	A. recurring decimal fraction B. Non terminating faction C. Non recurring fraction D. terminating decimal fraction
19	Express cos 320^{o} between $0^{o}$and 45^{o}	A. cos 45^o B. cos 30^o C. -cos 40^o D. cos 40^o
20	w^{15}= _____	A. 0 B. 1 C. w D. w²