ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	If P is a whole number greater than 1, which has only P and I are factors. Then P is called	A. Wholw number B. Prime number C. Even number D. Odd number
2	Question Image	A. l3 B. rl3 C. r D. none
3	A function whose range is just one elements is called	A. One-one function B. Constant function C. Onto function D. Identity function
4	Let A be a square matrix. Then, 1/2 (A-A') is	A. Skew-symmetric B. Symmetric C. Null D. None of the above
5	If A and B are two matrices such that AB = B and BA =A, then A^2+ B^2=	A. 2 AB B. 2 BA C. A + B D. AB
6	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
7	Question Image	A. A natural number B. A rational number C. An irrational number D. A whole number
8	In quadratic equation y=ax^3 +bx+c, if b and c are both zero then the graph is	A. Symmetric w.r.t.y-axis B. Symmetric w.r.t.x-axis C. Straight Line D. Circle
9	The vertex of the graph of the quadratic function f(x) =-x2+6x+1,is	A. (-3,10) B. (-3,-10) C. (3,10) D. (3,-10)
10	If A = [aij]mxpand B =[aij]pxnthen order of BA is	A. m x n B. p x n C. n x m D. None of these
11	If A is a subset of B and B contains at least one element which is not an element of A, then A is said to be	A. Improper subset of B B. Super set of B C. Proper subset of B D. None of these
12	Question Image	
13	The multiplicative inverse of -1 in the set {1-, 1} is	A. 1 B. -1 C. 0 D. Does not exist
14	For any real numbers x,y,xy=o ⇒	A. x ≠ 0 ∧ y ≠ 0 B. x = 0 ∨ y = 0 C. x = 0 D. y = 0
15	The 6th term of the sequence 7,9,12,16.....is	A. 27 B. 32 C. 20 D. 19
16	Question Image	
17	Question Image	

17	Question Image	
18	Question Image	
19	Point (2,0) lies on trigonometric function f(x)=_____;	A. sinx B. cosx C. tanx D. secx
20	Question Image	