ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Question Image	A. 0 B. 1 C. -2 D. 10
2	n^2 - 1 divisible by 8 when n is	A. an odd integer B. an even integer C. Irrational D. Prime Number
3	Question Image	
4	How many term are there in the A.P, in which a_1 = 11 , a_n =68, d=3	A. 30 B. 27 C. 20 D. 21
5	Question Image	
6	Question Image	
7	If points A (6,-1), B (1,3) and C (x,8) are such that AB=BC, then x =	A. 3,5 B. -3,5 C. 3,-5 D. -3,-5
8	The solution of equation x2 + 2 = 0 in the set of real number is	A. Infinite set B. Singleton set C. Null set D. None of these
9	Range of $\cos\theta$is	
10	Let A is a 3 x 3 matrix and B is its adjoint matrix. If |B| = 64, then |A| =	
11	If a,β are the roots of ax2+bx+c=0,the equation whose roots are doubled is	A. ay2 +2by+c=0 B. ay2+2by+4c=0 C. ay2+2by+c=0 D. ay2+by+4c=0
12	Disjunction of p and q is	A. p or q B. p and q C. p if q D. p implies q
13	The process of finding the unknown elements in triangle is called the	A. solution of the triangle B. Mean differnece C. Engineering distance D. angle of depressin
14	Rank of matrix [1 3 5 0] is	A. 1 B. 3 C. 2 D. 4
15	Question Image	A. A B. 0 C. Unit vector D. None
16	An infinite sequence has no	A. nth term B. Last term C. Sum D. None of these
17	Roots of the equation $9x^2$- 12x + 4 = 0 are	A. Real and equal B. Real and distinct C. Complex D. None of these
18	(2, 1) is in the solution of the inequality	A. 2x + y <u>></u> 7 B. x - y > 2 C. 3x + 5y < 6

		D. 2x + y < 6
19	The 10th common term between the series 3+7+11+..... and 1 + 6 +11 + ... is	A. 191 B. 193 C. 211 D. None of these
20	Question Image	