ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Question Image	A. 2 B. 1 C. 5 D. 0
2	Question Image	A. 4(x³- 3x²)³+ c B. 3x²- 6x + c
3	If the roots of $ax^2 - bx - c = 0$ change by the same quantity, then the expression in a, b, c that does not change is	
4	The liner equation ax + by = c is called _____ of the inequality ax +by > c.	A. Associated equation B. Non-associated equation C. disjoint equation D. Feasible equation
5	Question Image	
6	Any conditional and its contrapositive are	A. Equilavant B. Opposite C. Equal D. Not Equal
7	Optimal solution is found by evaluation the objective function at	A. All point of feasible region B. Corner point C. Origin D. None
8	If $f(x) = x^2$then f(0) is	A. 0 B. 1 C. 2 D. none of these
9	Question Image	A. 0 B. abc C. 1/abc D. None of these
10	If a, b, c are the measures of the sides of a triangle then	
11	Question Image	C. 1 D. 0
12	Question Image	A. 4 B. 6 C. 8 D. 10
13	The sets {1, 2, 4} and {4, 6, 8, 10} are	A. Equal sets B. Equivalent sets C. Disjoint sets D. Over lapping sets
14	Question Image	
15	Which of the following is skew symmetric matrix	
16	If for the matrix A, $A^5 = I$, then A^{-1}=	A. A² B. A³ C. A D. None of above
17	Question Image	B. a = b , h = 0 C. f = g, h = 0 D. h = h, c = 0
18	Shifting origin to (-4,-6), the new coordinates of (-6,-8) are:	A. (-1,2) B. (-2,-2) C. (1,-2) D. (3.-2)
		A. π/3

19	The principal value of $\sin^{-1}(-1/2)$	B. π/4 C. π/6 D. -π/6
20	Question Image	A. Identity matrix B. Diagonal matrix C. Null matrix D. Hermitian matrix