ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The number of the diagonals of a 6 sided figure is	A. 15 B. 21 C. 9 D. 6
2	A matrix in which the number of rows is not equal to the number of columns is called a	A. Diagonal matrix B. Rectangular matrix C. Square matrix D. Scalar matrix
3	By expressing sin 125° in terms of trigonometrical ratios, answer will be	A. sin 65° = 0.9128 B. sin 55° = 0.8192 C. sin 70° = 0.5384 D. sin 72° = 0.1982
4	Question Image	
5	Question Image	A. 1 B. 2 C. 3/2 D. 5/2
6	The positive integer just greater than $(1+0.0001)^{10000}$is	A. 4 B. 5 C. 2 D. 3
7	Which one represents a sequence	A. an B. Sn C. a(n) D. {an}
8	Question Image	
9	The sum of the odd coefficients in the expansion of $(a + x)^4$is	A. 14 B. 12 C. 8 D. 4
10	1st four terms of the expansion $(1-x)^{-2}$are	A. 1 + 2x + 3x²+ 4x³ B. 3x²+ 2x + 1 C. 1 + 3x + 4x²+ 5x³ D. None of these
11	(7,9) +(3,-5) =	A. (4,4) B. (10,4) C. (9,-5) D. (7,3)
12	The last term of (1+2x)-2	A. (-1)-2 (2x)-2 B. (-1)-4(-2x)-2 C. (-1)-3(2x)-3 D. Does not exist
13	Question Image	A. 2 B. 4 C. 8 D. 16
14	The solution set of the equation |3x + 2| = 5 is	
15	$7^{2n}+ 3^{n-1}. 2^{3n-3}$is divisible by	A. 24 B. 25 C. 9 D. 13
16	The law of sines is	
17	If P is a proposition then its negative is denoted by	

17	If P is a proposition then its negative is denoted by	
18	If B⊆ A, then complement of B in A is = ----------	A. A-B B. A∩B C. B-A D. A∪B
19	A and B throw a dice. The probability that A's throw is not greater then B's is	A. 5 / 12 B. 7 / 12 C. 1 / 6 D. 1 / 2
20	Question Image	B. ln(x²- x + 1) + c D. ln(2x - 1) + c