ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Question Image	
2	If A is a non singular matrix then A^{-1} = _____	
3	(1+w)(1+w2)(1+w4)(1+w8)....50 factors	A. 0 B. -1 C. 1 D. 2
4	If n(X) = 18, n(X∩Y) = 7, n(X∪ Y) = 40 then n(Y) =	A. 1 B. 12 C. 5 D. 29
5	The point _____ is in the solution of the inequality 2x - 3y > 5	A. (1, -1) B. (2,2) C. (0,0) D. (3,0)
6	Question Image	A. a sec(ax + b) + c B. - a sec(ax + b) + c
7	Question Image	
8	If a_n= 2n -3, write the first four terms	A. -3, -1, 1, 3 B. 1, 3, 5, 7 C. -1, 1, 3, 5 D. None of these
9	Question Image	
10	Question Image	A. 0 B. 1 C. -1 D. None
11	Find the sum of the infinite geometric series 2 + 1 + 0.5 + ...	A. 3.5 B. 3 C. 4 D. None of these
12	Question Image	
13	Question Image	
14	Question Image	A. Principle of equality of fractions B. Rule for product of fractions C. Golden rule of fractions D. Rule for quotient of fractions
15	Z is a	A. Infinite set B. Finite set C. Singleton set D. Set of all integers
16	Which of the following diagrams represent bijective function?	
17	The value of cos(cos-1 1/2) is	A. 1/2 B. √3/2 C. -1/2 D. 1/√2
18	Question Image	A. The law of sines B. The law of consines C. The law of tangents D. None of these
19	Question Image	A. One-to-one and onto B. One-to-one but not on to C. Onto but not one-to-one D. Neither one-to-one nor onto
		A. Right angle triangle

20   The law of sines can be used to solve

B. Isosceles triangle
C. oblique triangle
D. haxagon