ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Question Image	A. cos x + c B. -sin x + c C. -cos x + c D. sin x + c
2	Question Image	A. injuctive as well as surjective B. both onto and into C. one - one and into D. only (1 - 1)
3	f(x) = 1 is	A. identity function B. constant function C. linear function D. quadratic function
4	Question Image	
5	1/2,1/3,1/4,1/5.....is	A. a geometric sec B. an arithmetric series C. finite sequence D. an infinite sequece
6	If the graph of f is entirely below the x-axis, then the value of definite integral is	A. = 0 B. < 0 C. > 0 D. None
7	The area of the rhombus whose vertices are A(0,0),B(2,1),C(3,3),D(1,2) is	A. 36 square units B. 3 square units C. 6 square units D. 18 square units
8	What is the value of cos-1(1/2)?	A. π/3 B. π/4 C. 3π/2 D. π/6
9	Question Image	A.
10	Question Image	
11	A diagonal matrix is always	A. Identity B. Triangular C. Scalar D. Non-singular
12	Question Image	A. sec 3x + c B. - cosec 3x + c
13	Question Image	A. 0 B. 1 C. -1 D. 2
14	Question Image	
15	The greater part of our knowledge,is based on	A. Deduction B. Induction C. Conjunction D. Disjunction
16	Differentiating the equation $e^2x/x+1$ with respect to X is given by	A. (2x +1) e²x/(x+1) ² B. 2xe^{2x}/(x+1) ² C. 2e^{2x}/(x+1) ² D. (x+1)e^{2x}/(x+1) ²
17	Question Image	A. 2x - 3x + c C. x²- 3x + c
		A. 0

18	w^{-1}= _____	B. 1 C. w D. w²
19	5th term of a G.P. is 2, then the product of first 9 terms is	A. 256 B. 128 C. 512 D. None of these
20	The sum of all odd numbers between 100 and 200 is	A. 6200 B. 7500 C. 6500 D. 3750