ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The probability to get an odd number in a dice thrown once is	A. 6 B. 1 C. 1/6 D. 1/2
2	The value of x which is unchanged by the mapping in the function defined by f ; x□ x^2 + 5x - 5 for x> 0 is	A. 1 B. 5 C. -5 D. -1
3	Question Image	
4	If sided of□ABC are 16,20,and 33, then the value of the greatests angle to	A. 150□ 20' B. 132□ 35' C. 101□ 25' D. 160□ 50'
5	Cos-1 (-x) =	A. -x B. 1/x C. tan-1 x D. π-cos-1 x
6	The set {1, 2, 3, 4, ...} is called	A. Set of Natural numbers B. Set of whole numbers C. Set of rational number D. Set of irrational numbers
7	Question Image	D. none of these
8	If A is a set then any subset R of A x A is called	A. relation on A B. relation on B C. relation from A to B D. relation from B to A
9	Question Image	
10	The solution of differential equation:	A. dy/dx+y/x = x²is : B. 4xy = x⁴+ c C. 4x = x⁴= c D. 4 y = x⁴+ c E. 4x=4x³ + c
11	Question Image	A. 2 B. -1 C. 8 D. not defined
12	$(51)^4$is equal to	A. 7065201 B. 8065201 C. 6765201 D. 6565201
13	Question Image	
14	Question Image	A. A complex number B. A rational number C. A natural number D. An irrational number
15	If Sn is a definite number as n → ∞,then the geometric series is	A. Convergent B. Divergent C. Oscillatroy D. None of these
16	Question Image	
17	Question Image	A. 15 B. 9 C. 7 D. 8
18	Question Image	
		A. an infinite set

19	{1, 2, 3} is _____	B. A finite set C. A singleton set D. Universal set
20	The are of sector of a circular region of radius r is	A. 2π r B. π r² C. 1/2π r² D. 1/2 r²0