ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Let A is a 3 x 3 matrix and B is its adjoint matrix. If |B| = 64, then |A| =	
2	If a,b c are sides of a triangle taken in order then a x b =	A. b x c B. b x a C. cxa D. Both a & b
3	One root of the equation cos x - x + 1/2 = 0 lies in the interval	
4	Question Image	A. 1777 B. 223 C. 257
5	The graph of the linear equation of the form ax =by = c is a line which divided the plane into:	A. Two similar regions B. Two disjoint regions C. Four equal parts D. One region
6	The value of 63^{o}in term ofπ is	A. 5π/2<img width="9" height="19" src="file:///C:/Users/Softsol/AppData/Local/Temp/msohtmlclip1/01/clip_image002.png" v:shapes="_x0000_i1025"> <!--[endif]--><o:p></o:p> B. 5π/3 C. 7π/20 D. 7π/3
7	The solution of equation x2 + 2 = 0 in the set of real number is	A. Infinite set B. Singleton set C. Null set D. None of these
8	$Sin^{-1}(-x)=$	A. Cos⁻¹1/x B. - Sin⁻¹X C. Cot⁻¹X D. None of these
9	Question Image	
10	Question Image	A. 1.5 B. 1.2 C. 8 D. None of these
11	Question Image	
12	The multiplicative inverse of -1 in the set {1-,1} is	A. 1 B. -1 C. ±1 D. 0 E. Does not exist
13	The difference of two consecutive terms of an A.P. is called _____	A. General term B. Common ratio C. Common difference D. None of these
14	Express cos 320^{o} between $0^{o}$and 45^{o}	A. cos 45^o B. cos 30^o C. -cos 40^o D. cos 40^o
15	The coefficient of x^{10}in the expansion $(x^{3}+3/x^{2})^{10}$is	A. 1700 B. 17023 C. 17027 D. 17010
16	Question Image	
17	If a > b or a < b than a = b is a	A. Additive property B. Transitive property C. Trichotomy property of inequality
	A coin is tossed. If head comes up, a die is thrown but if tail comes up, the coin is tossed	A. 1/8 B. 2/8

18	thrown but if tail comes up, the coin is tossed again. The probability of obtaining a head and an even number is	B. 2/8 C. 3/8 D. None of these
19	Question Image	A. 0 B. abc C. 1/abc D. None of these
20	Three points whose position vector a,b,c are collinear	A. axb +b x c+ c x a = 0 B. a,b +b,c +c,a =0 C. a,|a xc| =0 D. a+b+c =0