ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	The transpose of a column matrix is a _____	A. Zero matrix B. Diagonal matrix C. Column matrix D. Row matrix
2	154° 20' =	A. 2550/34401π<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. 27721/22400 π C. 2521/32400π D. 4125/32400π
3	Let the sequence 1, 2, 2, 4, 4, 4, 4, 8, 8, 8, 8, 8, 8, 8, ... where n consecutive terms have the value n, then 1025th term is	A. 2⁹ B. 2¹⁰ C. 2¹¹ D. 2⁸
4	The set of all positive even integers is	A. Not a group B. A group w.r.t. subtraction C. A group w.r.t. division D. A group w.r.t. multiplication
5	If E = { } , then P(E)	A. ∅ B. { } C. {(2),(4),(6)....} D. (∅)
6	Question Image	A. 2x + 3 B. x²+ 3 + c
7	If C is the mid point of AB and P is any point outside AB, then	
8	The real number system contains.	A. Positive Numbers B. Negative numbers C. Zero D. (option a, b and c)
9	In order of A is m x n and order of B is n x p then order of AB is	A. m x m B. n x n C. m x p D. p x m
10	If a_1, r are first term and the common ratio respectively then the sum of an infinite geometric series is	
11	Question Image	
12	Question Image	A. I B. |A| C. |A| I D. None of these
13	The matrix A = [aij]1xn is a	A. Vector B. Rectangular matrix C. Column vector D. Square matrix
14	If a2 = b2 then	A. a = b B. a+b= 1 C. |a+b| =0 D. None
15	Decimal part of irrational number is	A. Terminating B. Repeating only C. Neither repeating nor terminating D. Repeating and terminating
16	If n is any positive integer ,t hen 2+4+6+.....+2 n=	A. 2ⁿ-1 B. 2ⁿ+1 C. n²+1 D. n(n+1)

17	Question Image	
18	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
19	The number of terms in the expansion of $(a + x)^{12}$ is	A. 13 B. 12 C. 11 D. 10
20	For graphing a linear inequality, solid line is drawn if the inequality involves the symbols:	A. > or < B. <u>></u> or <u><</u> C. = or≠ D. = or >