ECAT Pre General Science Mathematics Online Test

Sr	Questions	Answers Choice
1	Question Image	
2	The element range of sequence are called	A. Series B. progression C. Members D. Terms
3	A and B be two square matrices and if their inverse exist, the $(AB)^{-1}$=	A. A⁻¹B⁻¹ B. AB⁻¹ C. A⁻¹B D. B⁻¹A⁻¹
4	Cot 45° = _____	
5	The ratio in which the line y- x+ 2 =0 divides the line joining (3,-1) and (8,9) is	A. 2:3 B. -2:3 C. 3:2 D. -3:2
6	If a parabola opens down, then its vertex is at the	A. Right of the parabola B. Left of parabola C. Lowest point on the parabola D. Highest point on the parabola
7	Three right angles is the angle of measure	A. 270° B. 180° C. 90° D. 270'
8	Question Image	A. An empty set B. Universal set C. A singleton set D. None of these
9	The value of i^{4n+1}	A. 1 B. -1 C. i D. i²
10	Question Image	A. 405 / 256 B. 504 / 259 C. 450 / 263 D. None
11	Question Image	
12	The order of the matrix A is 3 x 5 and that of B is 2 x 3.The order of the matrix BA is	A. 2 x 3 B. 3 x 2 C. 2 x 5 D. 5 x 2
13	1^0= _____	A. 360' B. 60" C. 60' D. 3600'
14	Question Image	A. A B. A' C. U D. A A'
15	Question Image	B. sin 2x + c C. -sin 2x + c
16	Question Image	A. 1 B. -1 C. 5 D. 2
17	Question Image	
18	Question Image	
19	Question Image	

20	A function f is said to be an even if f(-x) =	A. 0 B. 1 C. f(x) D. -f(x)