ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	According to Aristotle, in preposition there could be	A. One possibility B. Two possibility C. three possibility D. Seven possibilites
2	Question Image	
3	Every recurring decimal represents	A. A natural number B. A rational number C. An irrational number D. A whole number
4	Question Image	
5	Question Image	
6	Matrices A = [aij] 2 x 3 and B =[bij] 3 x 2 are suitable for	A. BA B. A^2 C. AB D. B^2
7	The physical quantity which can be specified by a number alongwith unit is called a	A. scalar B. vector C. constant D. none of these
8	Domain of cos x is _____	
9	Which of the following is not a unit vector	A. [1, 1, 1] B. [0, 1, 0] C. [0, 0, 1] D. [1, 0, 0]
10	Period of Tangent function is	A. 0° B. $-\pi$ C. π D. 2π
11	Φ set is the _____ of all sets	A. Subset B. Union C. Universal D. Intersection
12	The value of 300° in term of π is	A. 5π/3 B. 2π/3 C. 5π/2 D. 5π
13	If a,β are the roots of the equation $x^2 - 8x + p = 0$ and $a^2 + \beta^2 = 40$, then value of p is	A. 8 B. 12 C. 10 D. 14
14	Every real number is	A. A complex number B. A rational number C. A natural number D. A prime number
15	If points (-1 , h), (3,2) and (7,3) are collinear then h=	A. 3 B. 4 C. 0 D. None of these
16	The principal value of $\sin^{-1}[-\sqrt{(\sqrt{3})}/2]$ is	A. 5π/3 B. -2π/3 C. $-\pi/3$ D.

		D. π/3
17	$i^{(4n+2)}$ = ------------------------------	A. 1 B. i C. -1 D. -i
18	Question Image	
19	The nth term of an A.P., is 12-4n. Its common difference is	A. 8 B. 4 C. 4 D. 16
20	Question Image	A. 1, 1/2, 0 B. 1, 2, 1 C. 1, 2, 3 D. 1, 2, 0