

## ECAT Mathematics MCQ's Test For Full Book

Sr	Questions	Answers Choice
1	Tangent is a periodic function and its period is	A. 2 <span style='font-family: "Times New Roman"; font-size: 24px; color: rgb(34, 34, 34); text-align: center; background-color: rgb(255, 255, 224);'><i>¬π</i>&gt;</span> B. 3 <span style='font-family: " Times New Roman"; font-size: 24px; color: rgb(34, 34, 34); text-align: center; background-color: rgb(255, 255, 224);'><i>¬π</i>&gt;</span> C. <span style='font-family: " Times New Roman"; font-size: 24px; color: rgb(34, 34, 34); text-align: center; background-color: rgb(255, 255, 224);'><i>¬π</i>&gt;</span> D. 4 <span style='font-family: " Times New Roman"; font-size: 24px; color: rgb(34, 34, 34); text-align: center; background-color: rgb(255, 255, 224);'><i>¬π</i></span> center; background-color: rgb(255, 255, 224);"> <i>¬π</i>
2	Which element is the additive inverse of (a, b) in Complex numbers?	A. (a, 0) B. (0, b) C. (a, b) D. (-a, -b)
3	The logic in which every statement is regarded as true or false and no other possibility is called	A. Aristotelian login B. Inductive logic C. Non-Aristotelian logic D. None of these
4	Question Image	
5	If $a_1$ = 3, $r$ = 2, then the nth term of the G.P. is	A. 2.3 <sup>n-1</sup> B. 3.2 <sup>n</sup> C. 3.2 <sup>n+1</sup> D. 3.2 <sup>n-1</sup>
6	1/3 is	<ul><li>A. A prime number</li><li>B. An integer</li><li>C. A rational number</li><li>D. An irrational number</li></ul>
7	Question Image	A. P(A) + P(B) B. P(A) - P(B) C. P(A) . P(B) D. P(A) / P(B)
8	$\cos^{-1}(\cos x) =$	A. x B. cos x C. x = 1/x D. cos <sup>-2</sup> x
9	Which of the following is a vector.	A. distance B. temperature C. energy D. acceleration
10	Find all the angles between 0 and 360 degree such that sinx = -1/2?	A. 210.330 B. 30.210 C. 30.150 D. 330.150
11	Roots of the equation $x^2$ + 5x - 1 = 0 are	A. Rational B. Irrational C. Complex D. None of these
12	Question Image	A. Rational B. Irrational C. Natural D. Odd
		A. R

13	Domain of cosh x is	B. R -{U} C. [1,∞) D. [0,∞)
14	Which of the following is a vector.	A. work B. time C. density D. electric field
15	Question Image	D. all
16	If C={p/p < 18, p is a prime number}, then C =	A. {2,3,4,17} B. {2,4,6,816} C. {1,3,5,7,9,11,13,15,17} D. {3,6,9,12,15}
17	The 8th term of (1+2x) <sup>-1/2</sup> is	A221/16 x <sup>7</sup> B225/18 x <sup>7</sup> C407/9 x <sup>3</sup> D429/16 x <sup>7</sup>
18	Question Image	A. 0 B. 1 C1 D. 2
19	Question Image	
20	Question Image	A. Free vector B. Null vector C. Unit vector D. None of these