

ECAT Mathematics Online Test

Sr	Questions	Answers Choice
1	The symbol of irrational is	A. W B. N C. Q D. Q <i>'</i>
2	Question Image	A. 0 B. 1 C1 D. None
3	Question Image	A. Rational B. Irrational C. Even D. Odd
4	Question Image	
5	Range of $\cot heta$ is	A. (+ <i>></i> to - <i>></i>> B. (-1 to +1) C. (-5 to +5) D. Set of even numbers only
6	The statement that a group can have more than one identity elements is	A. True B. False C. Fallacious D. Some times true
7	If $x + y + 1 = 0$ touches the parabola $y^2 = \lambda x$, then λ is equal to	A. 2 B. 4 C. 6 D. 8
8	If a set S contains "n" elements then P (S) has number of elements	A. 2 ⁿ B. 2 ²ⁿ C. 2 . n D. n ²
9	If a, b, c, d, e, f are in A.P.,then e-c is equal to	A. 2(c - a) B. 2(f - d) C. 2(d - c) D. d - c
		A. 1.5
10	Question Image	B. 1.2 C. 8 D. None of these
11	5 unbiased coins coins are tossed simultaneously. The probability of getting at least one head is	A. 1 / 32 B. 31 / 32 C. 1 / 16 D. None of these
12	If nis positive integers, then 2 ⁿ >2n+1, only when	A. n≤ 3 B. n≥ 3 C. n≤ 2 D. n≤ 1
13	The towers each 120 meters high are 800 meters apart. The measure of the angle of elevation from the base of one tower to the top of the other is	A. 12 [□] B. 9 [□] C. 7 [□] D120 [□]
14	The mid point of the line segment joining the points (4,0) and (0,4) is	A. (4,4) B. (2,2) C. (-4,-4)

		D. (-2,-2)
15	Question Image	
16	The principal value of sin ⁻¹ (-1/2)	A. π/3 B. π/4 C. π/6 Dπ/6
17	Question Image	
18	The number of permutation that can be formed from the letters of the word OBJECT is	A. 700 B. 600 C. 720 D. 620
19	Question Image	
20	Question Image	