

ECAT Mathematics Online Test

Sr	Questions	Answers Choice
1	Which is a proper rational fraction	
'	miorio a propor rational naction	A. 0
2	Question Image	B4 D. none of these
3	The system of measurement in which the angle is measured in radians is called the	A. circular system B. CGS system C. sexagesimal system D. none of these
4	Question Image	
5	If S is a sample space and event set $E = \Phi$ then $P(E)$ is	A. >0 B. 1 C. <1 D. 0
6	The equation x^2 + y^2 = 0 represents	A. A circle B. A degenerate circle C. An empty set D. A st. line
7	Question Image	A. Right angled B. Obtuse angled C. Isosceles D. Equilateral
8	Question Image	
9	Which of the following has the same value as i113	A. i B1 Ci D. 1
10	If A is a set then any subset R of A x A is called	A. relation on A B. relation on B C. relation from A to B D. relation from B to A
11	Question Image	
12	Which of the following is a vector.	A. energy B. force C. work D. power
13	Question Image	
14	Which element is the additive inverse of (a,b) in Complex numbers	A. (a,0) B. (0,b) C. (a,b) D. (-a,-b)
15	Question Image	A. perpendicular vectors B. parallel vectors C. concurrent vectors D. none of these
16	The solution set of the equation $ 3x + 2 = 5$ is	
17	Roots of the equation x^2 - $x = 2$ are	A. {2, -1} B. {1, 0} C. {2, 1} D. {-2, 1}
18	Question Image	
19	tan (-135°) = θ	A. 0 B. 1 C. 2 D. 3
		A. solution

B. coefficient C. domain D. range