

ECAT Mathematics Chapter 20 Analytic Geometry Online Test

Sr	Questions	Answers Choice
1	Question Image	A. 1 B. 0 C. 5 D. 2
2	Question Image	
3	Question Image	
4	Question Image	A. 0 B. 1 C. -1 D. undefined
5	The slope of y-axis is	A. 0 B. undefined C. 1
6	The slope of x-axis is	A. 0 B. undefined C. 1
7	Question Image	A. 0 B. 1 D. undefined
8	Question Image	A. 0 B. 1
9	Question Image	A. 0 B. 1
10	Question Image	A. 0 B. 1
11	Question Image	A. 0 B. 1
12	Question Image	
13	The inclination of a line parallel to y-axis is	
14	The inclination of a line parallel to x-axis is	
15	Question Image	
16	Question Image	D. none of these
17	Question Image	
18	Question Image	
19	If $A(x_1, y_1)$, $B(x_2, y_2)$ and $C(x_3, y_3)$ are the vertices of a triangle then its centroid is	
20	The point of concurrency of the right bisectors of the sides of a triangle is called	A. incentre B. circum center C. e-center D. centroid
21	The point of concurrency of the angle bisectors of a triangle is called	A. incentre B. circumcentre C. e-centre D. centroid
22	The point of concurrency of the medians of a triangle is called	A. incentre B. circumcentre C. e-centre D. centroid
23	The point which divides the line segment joining the points (a, b) and (c, d) in the ratio 2 : 3 internally is	D. none of these

24	The centroid of a triangle divides each median in the ratio	A. 2 : 1 B. 3 : 1 C. 3 : 2 D. 1 : 1
25	The coordinates of the point that divides the join of A(-6,3) and B(5, -2) in the ratio 2:3 externally are	
26	The coordinates of the point that divides the join of A(-6,3) and B(5, -2) in the ratio 2:3 internally	
27	If (2, 3) is the mid point of (a, 3) and (5, b) then	A. a = 1 , b = -3 B. a = -1 , b = 3 C. a = 1 , b = 3 D. a = -1 , b = -3
28	If origin is the mid point of (a, -3) and (-5, b) then	A. a = -5 , b = -3 B. a = 5 , b = 3 C. a = -5 , b = 3 D. a = 5 , b = -3
29	If origin is the mid point of (a,3) and (5,b) then	A. a = -5 , b = -3 B. a = 5 , b = 3 C. a = -5 , b = 3 D. a = 5 , b = -3
30	<div>Question Image</div>	A. a B. 2a C. 3a D. 4a