ECAT Pre General Science Mathematics Chapter 23 Conic Section Online Test

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	
3	Question Image	
4	Question Image	
5	Question Image	D. none of these
6	The tangents drawn from the point P to a circle are real and distinct if	A. P is on the circle B. P is inside the circle C. P is outside the circle D. none of these
7	The tangents drawn from the point P to a circle are real and coincident if	A. P is on the circle B. P is inside the circle C. P is outside the circle D. none of these
8	The tangents drawn from the point P to a circle are imaginary if	A. P is on the circle B. P is inside the circle C. P is outside the circle D. none of these
9	Question Image	D. none of these
10	Question Image	D. none of these
11	Question Image	D. none of these
12	Question Image	
13	Question Image	D. none of these
14	Question Image	D. none of these
15	Question Image	D. none of these
16	Question Image	
17	Question Image	
18	If (2, 3) and (2, 5) are end points of a diameter of a circle, then the centre of the circle is	A. (2, 4) B. (4, 8) C. (0, 2) D. (0, -2)
19	Question Image	A. c = 0 B. c = -1 C. c = -2 D. c = 1
20	Question Image	A. c = 0 B. c = -1 C. c = -2 D. c = 1
21	If (x_1, y_1) and (x_2, y_2) are the end points of a diameter then the centre of the circle is	
22	If the circle $x^2 + y^2 + 2gx + 2fy + c = 0$ passes through the origin then	A. c = 0 B. c = -1 C. c = -2 D. c = 1
23	If (0, 0) and (0, -1) are end points of a diameter, then the equation of the circle is	
24	If (0, 0) and (-1, 0) are end points of a diameter, then the equation of the circle is	
25	If (0, 0) and (1, 0) are the end points of a diameter, then the equation of the circle is	

26	Question Image	
27	The general equation of a circle is	
28	Question Image	
29	Question Image	
30	Question Image	A. 2 B. 4 C. 3 D. 16