

## ECAT Mathematics Chapter 22 Circle

Sr	Questions	Answers Choice
1	The area of the circle centred at (1, 2) and passing through (4, 6) is	
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1 B. 2 C. 0 D. None of these
3	The fixed point which lies on the axis of the cone is called its	A. axis B. apex C. nappes D. axis
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
5	If the intersecting plane is parallel to a generator of the cone, but intersects its one nappe only, the curve of intersection is	A. a circle B. an ellipse C. a parabola D. a hyperbola
6	A cone is generated by all lines through a fixed point and the circumference of	A. a circle B. an ellipse C. a hyperbola D. none of these
7	If the cutting plane is parallel to the axis of the cone and intersects both of its nappes, then the curve of intersection is	A. an ellipse B. a circle C. a parabola D. a hyperbola
8	The equation: $x^2 + y^2 + 2gx + 2fy + c = 0$ , represents	A. pair of lines B. a circle C. a general second degree equation D. a hyperbola
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	D. None of these
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	B. $a = b, h = 0$ C. $f = g, h = 0$ D. $h = h, c = 0$
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
13	The set of all points in the plane that are equally distant from a fixed point is called a	A. parabola B. ellipse C. hyperbola D. circle
14	If three non-collinear points through which a circle passes are known, then we can find the	A. variables x and y B. value of x and c C. three constant f, g and c D. inverse of the circle
15	IF the cone is cut by a plane perpendicular to the axis of the cone, then the section is a	A. circle B. ellipse C. hyperbola D. parabola
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
17	To study conics, Pappus used the method of	A. analytic geometry B. solid geometry C. Euclidean geometry D. none of these
18	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
19	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Three Independent Variables B. Two independent constant C. Three independent parameters D. Three independent constant

