

ECAT (Pre-Eng) Mathematics Chapter 22 Circle

Sr	Questions	Answers Choice
1	<input type="text" value="Question Image"/>	
2	The equation of the circle with centre at (5, -2) and radius 4 is	
3	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
4	The vertex of the cone is also called	A. nappes B. axis C. rulings D. apex
5	The generators of a cone are also called	A. rulings B. apex C. nappes D. ellipse
6	If the centre of the circle is the origin, then equation of the circle is	A. $x^2 + y^2 = 0$ B. $2gx + 2fy - c = 0$ C. $x^2 + y^2 = c$ D. $gx + fy - c/2 = 0$
7	<input type="text" value="Question Image"/>	
8	The area of the circle centred at (1, 2) and passing through (4, 6) is	
9	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
10	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
11	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
12	<input type="text" value="Question Image"/>	B. $a = b, h = 0$ C. $f = g, h = 0$ D. $h = h, c = 0$
13	<input type="text" value="Question Image"/>	A. Three Independent Variables B. Two independent constant C. Three independent parameters D. Three independent constant
14	The fixed point which lies on the axis of the cone is called its	A. axis B. apex C. nappes D. axis
15	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
16	If the cutting plane is slightly tilted and cuts only one nappe of the cone, the resulting section is	A. an ellipse B. a circle C. a hyperbola D. a parabola
17	<input type="text" value="Question Image"/>	
18	If a plane passes through the vertex of the cone, then the intersection is	A. an ellipse B. a parabola C. a hyperbola

D. a point circle

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Question Image

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To study conics, Pappus used the method of

- A. analytic geometry
- B. solid geometry
- C. Euclidean geometry
- D. none of these