

ECAT (Pre-Eng) Mathematics MCQ's Test For Chapter 22 Circle

Sr	Questions	Answers Choice
1	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
2	Question Image	D. None of these
3	Question Image	
4	The fixed point which lies on the axis of the cone is called its	A. axis B. apex C. nappes D. axis
5	Question Image	
6	The vertex of the cone is also called	A. nappes B. axis C. rulings D. apex
7	Question Image	B. a = b , h = 0 C. f = g, h = 0 D. h = h, c = 0
8	Question Image	
9	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
10	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
11	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
12	The generators of a cone are also called	A. rulings B. apex C. nappes D. ellipse
13	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
14	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 = r ² D. gx + fy - c/2 = 0
15	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
16	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
17	Question Image	
18	Question Image	
		Λ 1

19	Question Image	B. 2 C. 0 D. None of these
20	Apollonius was a	A. rocket B. Muslim scientist C. Greek mathematicians D. method of finding conics