ECAT Mathematics Chapter 22 Circle

Sr	Questions	Answers Choice
1	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
2	Question Image	A. 1 B. 2 C. 0 D. None of these
3	Question Image	
4	Question Image	D. None of these
5	Question Image	
6	The generators of a cone are also called	A. rulings B. apex C. nappes D. ellipse
7	Apollonius was a	A. rocket B. Muslim scientist C. Greek mathematicians D. method of finding conics
8	To study conics, Pappus used the method of	A. analytic geometry B. solid geometry C. Euclidean geometry D. none of these
9	Question Image	
10	Question Image	A. Three Independent Variables B. Two independent constant C. Three independent parameters D. Three independent constant
11	If the centre of the circle is the origin, then equation of the cirlce is	A. x²+ y²= 0 B. 2gx + 2fy - c = 0 C. x²+ y²= r² D. gx + fy - c/2 = 0
12	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
13	Question Image	B. a = b , h = 0 C. f = g, h = 0 D. h = h, c = 0
14	Question Image	
15	The vertex of the cone is also called	A. nappes B. axis C. rulings D. apex
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	A second degree equation in which coefficients of $x^2$and $y^2$are equal and there is no product term xy represents	A. a parabola B. a circle C. an ellipse D. a pair of lines
18	The fixed point which lies on the axis of the cone is called its	A. axis B. apex C. nappes

		D. axis
19	The equation of the circle whose centre is (-3, 5) and having radius 7 is	A. (x-3)²+ (y+5)²= 7² B. (x-3)²+ (y+5)²= 7² C. (x-3)²+ (y-5)²= 7² D. x²+y²+6x-10y-15=0
20	Question Image	