ECAT Mathematics Chapter 22 Circle

Sr	Questions	Answers Choice
1	The vertex of the cone is also called	A. nappes B. axis C. rulings D. apex
2	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
3	Question Image	A. Three Independent Variables B. Two independent constant C. Three independent parameters D. Three independent constant
4	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
5	Apollonius was a	A. rocket B. Muslim scientist C. Greek mathematicians D. method of finding conics
6	The generators of a cone are also called	A. rulings B. apex C. nappes D. ellipse
7	Question Image	A. 1 B. 2 C. 0 D. None of these
8	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
9	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
10	Question Image	
11	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
12	The equation of the circle with centre at (5, -2) and radius 4 is	
13	Question Image	
14	Question Image	
15	Question Image	
16	The fixed point which lies on the axis of the cone is called its	A. axis B. apex C. nappes D. axis
17	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
18	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
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	