ECAT Mathematics Chapter 22 Circle

Sr	Questions	Answers Choice
1	Question Image	
2	Question Image	A. 1 B. 2 C. 0 D. None of these
3	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
4	Question Image	A. Three Independent Variables B. Two independent constant C. Three independent parameters D. Three independent constant
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	Apollonius was a	A. rocket B. Muslim scientist C. Greek mathematicians D. method of finding conics
7	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
8	The vertex of the cone is also called	A. nappes B. axis C. rulings D. apex
9	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
10	Question Image	
11	Question Image	
12	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
13	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
14	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
15	Question Image	
16	To study conics, Pappus used the method of	A. analytic geometry B. solid geometry C. Euclidean geometry D. none of these
17	The fixed point which lies on the axis of the cone is called its	A. axis B. apex C. nappes D. axis

18	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
19	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
20	The equation of the circle with centre at (5, -2) and radius 4 is	