ECAT Mathematics Chapter 22 Circle

Sr	Questions	Answers Choice
1	To study conics, Pappus used the method of	A. analytic geometry B. solid geometry C. Euclidean geometry D. none of these
2	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
3	Question Image	A. Three Independent Variables B. Two independent constant C. Three independent parameters D. Three independent constant
4	Question Image	
5	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
6	Question Image	
7	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
8	The area of the circle centred at (1, 2) and passing through (4, 6) is	
9	The equation of the circle with centre at (5, -2) and radius 4 is	
10	Question Image	A. 1 B. 2 C. 0 D. None of these
11	Question Image	B. a = b , h = 0 C. f = g, h = 0 D. h = h, c = 0
12	The vertex of the cone is also called	A. nappes B. axis C. rulings D. apex
13	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
14	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
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	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
17	The generators of a cone are also called	A. rulings B. apex C. nappes D. ellipse

18	Question Image	
19	Question Image	
20	Question Image	D. None of these