ECAT Pre General Science Mathematics Chapter 22 Circle

Sr	Questions	Answers Choice
1	The generators of a cone are also called	A. rulings B. apex C. nappes D. ellipse
2	Question Image	
3	To study conics, Pappus used the method of	A. analytic geometry B. solid geometry C. Euclidean geometry D. none of these
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	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
6	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
7	Question Image	D. None of these
8	Question Image	
9	Question Image	
10	The area of the circle centred at (1, 2) and passing through (4, 6) is	
11	Question Image	B. a = b , h = 0 C. f = g, h = 0 D. h = h, c = 0
12	Apollonius was a	A. rocket B. Muslim scientist C. Greek mathematicians D. method of finding conics
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	Question Image	
15	The fixed point which lies on the axis of the cone is called its	A. axis B. apex C. nappes D. axis
16	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
17	The equation of the circle with centre at (5, -2) and radius 4 is	
18	The vertex of the cone is also called	A. nappes B. axis C. rulings D. apex
19	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
20	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