

## FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	A circle is of radius 5 cm, the distance of a chord 8 cm long from its center is:	A. 4 cm B. 3cm C. 2.5cm D. 3.4cm
2	If (x, y) are the coordinates of a point, then the first component of the ordered pair is called:	A. Abscissa B. Ordinate C. Coordinate axes D. None of these
3	Question Image	A. cosech x coth x Bcosech <sup>2</sup> x Ccosech x coth x D. cosech <sup>2</sup> x
4	The equ. of directrix of the parabola $y^2 = -4ax$ is:	A. x = a B. x = - a C. y = a D. y = -a
5	Question Image	A. Unit vector B. Null vector C. Free vector D. None of these
6	One of the angles of a triangle inscribed in a circle is of 40°. If one of its' the diameter, the other angles have the measures:	A. 30°, 110° B. 40°, 100° C. 50°, 90° D. 20°, 120°
7	Let $f(x) = x^2$ , then range of f is the set of all:	A. Real numbers B. Non-negative real numbers C. Non-negative integers D. Complex numbers
8	Distance of the point (-2, 3) from y-axis is:	A2 B. 2 C. 3 D. 1
9	If y is an image of x under the function f, we denote it by:	A. x = f(y) B. x = y C. y = f(x) D. f(x, y) = c
10	If a circle and a line intersect in two points, then the line is called:	A. A chord B. A secant C. A diameter D. None of these
11	Question Image	A. e <sup>ax</sup> B. f(x) C. e <sup>ax</sup> f(x) D. e <sup>ax + f(x)</sup>
12	Question Image	A. 4 B. 2 C. 1
13	Question Image	
14	The point of intersection of the medians of a triangle is called:	A. Centroid B. Ortho-center C. Circums-center D. In-center
15	If a pair of opposite sides of a quadrilateral are equal and parallel then it is:	A. Rectangle B. Rhombus C. Parallelogram D. None of these
16	Two circles of radius 3 cm and 4 cm touch each other externally. The distance between their centers is:	A. 1 cm B. 7cm C. 4cm

_		D. 5cm
7	Which one is not an exponential function?	
18	A linear equation in two variables represents:	A. Circle
		B. Ellipse C. Hyberbola
		D. Straight line
19	A function, in which the variable appears as exponent (power), is called a / anfunction.	A. Constant
		B. Explicit
		C. Exponential
		D. Inverse
20	Question Image	A. 0
		B1
		C. 1
		D. 2