

## FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	Perpendicular dropped from the center of a circle on a chord _____ the chord:	A. Normal B. Bisects C. Equal to D. None of these
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. c B. 0 C. 1 D. -c
3	There are _____ feasible solutions in the feasible region:	A. Finitely B. Two C. Infinitely many D. Three
4	$-4 < y < 4$ is the solution of the following:	A. $y = 5$ B. $y = 3$ C. $y = -4$ D. $y = 4$
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $x = 0$ B. $y = -a$ C. $y = 0$ D. $y = -a$
6	The fixed point of the conic is called:	A. Directrix B. Vertex C. Focus D. None of these
7	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 2 C. 1 D. -1
8	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\operatorname{cosech} x \coth x$ B. $-\operatorname{cosech}^2 x$ C. $-\operatorname{cosech} x \coth x$ D. $\operatorname{cosech}^2 x$
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
10	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Scalar quantity D. Reciprocal vector
11	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 1 C. 2 D. 3
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Ellipse B. Parabola C. Hyperbola D. Circle
13	If $r$ is the radius of any circle and $C$ its center, then any point $P(x_1, y_1)$ lies on the circle only if:	A. $ CP  \leq r$ B. $ CP  \geq r$ C. $ CP  = r$ D. None of these
14	Let $f(x) = \cos x$ , then $f(x)$ is an:	A. Even function B. Odd function C. Power function D. None of these
15	$y = 2x + 3$ is the;	A. Slope-intercept form B. Two points form C. Point slope form D. Intercepts form
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. One variable B. Three variable C. Two variable D. Four variable

17 Question Image

18 Question Image

- A. Line parallel to x-axis
- B. Line parallel to y-axis
- C. Line passing through the origin
- D. Both (a) and (b)

19 Question Image

- A.  $\sin x$
- B.  $\cos x$
- C.  $-\sin x$
- D.  $-\cos x$

20 If a point lies inside a circle, then its distance from the center is:

- A. Equal to the radius
- B. Less than the radius
- C. Greater than the radius
- D. Equal to or greater than the