

FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	An angle in a semi-circle is:	A. 0° B. 90° C. 180° D. 60°
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\cos x + c$ B. $-\cos x + c$ C. $\sin x + c$ D. $-\sin x + c$
3	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1 B. 0
4	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\sin x$ B. $\cos x$ C. $-\sin x$ D. $-\cos x$
5	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $x = a$ B. for all x D. $x = 0$
6	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 1 B. 2 C. 3 D. 4
7	The radius of point circle is:	A. 0 B. (0, 0) C. r D. 1
8	y-coordinate of any point on X-axis:	A. 0 B. x C. y D. 1
9	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $2\cosh x$ B. $2\sinh x$ C. $2\sinh (2x)$ D. $-2\sinh (2x)$
10	Which of the following is not a vector quantity ?	A. Weight B. Mass C. Force D. Velocity
11	The number e denotes the _____ of the conic:	A. Directrix B. Vertex C. Focus D. Eccentricity
12	If a variable y depends on a variable x in such a way that each value of x determines exactly one value of y , then y is a _____ of x .	A. Independent variable B. Not function C. Function D. None of these
13	Two non parallel lines intersect each other at:	A. 1 point B. 2 points C. 3 points D. 4 points
14	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Integration by parts B. Definite integral C. Differentiation D. None of these
15	The order (or sense) of an inequality is changed by _____, if each side by a negative constant.	A. Adding B. Subtracting C. Dividing D. None of these
16	If in the case of translation of axes, $O(-3, 2)$, $(x, y) = (-6, 9)$ then $(X, Y) =$	A. (-3, 9) B. (-3, 7) C. (-9, 11)

D. (3, 7)

17

If the upper limit is a constant and the lower limit is a variable, then the integral is a function of:

- A. x
- B. y
- C. lower limit
- D. upper limit

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. Free vector
- B. Unit vector
- C. Null vector
- D. None of these

20

Question Image

- A. domain
- B. range
- C. lower limit
- D. upper limit