

FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. equal to each other B. not equal to each C. nearly equal to each other D. none of these
2	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
3	In the translation of axes which formula is true:	A. $x = X + h$ B. $X = x + h$ C. $x + X = h$ D. None
4	For a square of side x units, the rate of change of area with respect to the side is given by:	A. x B. x^2 C. $2x$ D. 2
5	The law of parallelogram of addition was used by Aristotle to describe the combined action of :	A. One force B. Two forces C. Three forces D. Four forces
6	$y = b$ is a horizontal line perpendicular to _____:	A. x - axis B. y - axis may be C. y - axis D. None of these
7	The linear function $f(x) = ax + b$ is an identity function if:	A. $a = 0, b = 1$ B. $a = 1, b = 0$ C. $a = 1, b = 1$ D. $a = 0, b = 1$
8	The graph of $2x + y < 2$ is the open half plane which is _____ the origin side of $2x + y = 2$:	A. At B. Not an C. On D. None of these
9	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
10	Let $f(x) = x^2$, real valued function then domain of f is the set of all:	A. Real numbers B. Integers C. Positive numbers D. Natural numbers
11	The area A of a circle as a function of its circumference C is:	
12	Question Image <input style="width: 500px; height: 20px;" type="text"/>	
13	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. $\tan x + c$ B. $-\tan x + c$ C. $\sec x \tan x + c$ D. $-\sec x \tan x + c$
14	The ratio in which x -axis divides the line segment joining the points:	A. 1 : 1 B. 1 : 3 C. 1 : 5 D. 1 : 2
15	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
16	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. 0 B. 1 C. e D. Does not exist
17	Question Image <input style="width: 500px; height: 20px;" type="text"/>	A. Left or right B. Upper or lower C. Open D. ...

D. None of these

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Question Image

- A. Open
- B. Closed
- C. Open as well as closed
- D. None of these

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If x and y are so mixed up and y cannot be expressed in terms of the independent variable x, then y is called a/an ---- function of x.

- A. Constant
- B. Explicit
- C. Implicit
- D. Inverse

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Length of tangent from (a, 0) to the circle $x^2 + y^2 + 2gx + 2fy + c = 0$ is:

- B. c
- C. $2g + 2f - c$
- D. None