FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	Question Image	A. 90° B. 30° C. 60° D. 0°
2	The inequality y > b is the open half plane to the _____ of the boundary line y = b:	A. Above B. Left C. Below D. Right
3	Question Image	A. Integration B. Integrand C. Constant of integration D. None of these
4	Question Image	A. Derivative B. Differential C. Integral D. None of these
5	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
6	The vertex of the parabola $y^2 = -4ax$ is:	A. (-a, 0) B. (a, 0) C. (0, -a) D. (0, 0)
7	$\cosh^{-1}x$ =	
8	Question Image	A. 0 B. 2 C. 1 D. -1
9	the focal chord perpendicular to the axis of the parabola is called _____ of the parabola:	A. Directrix B. Latus rectum C. Focus D. Focal chord
10	$\underline{i}.(\underline{j}.\underline{k})$ =	A. Meaningless B. -1 C. 1 D. 2
11	Question Image	
12	Sir Isaac Newton was a(an) --------- mathematician.	A. German B. French C. Swiss D. English
13	The distance of any point P (x, y) from the origin O(0 , 0) is given by:	
14	If f(x) = cos x then f'(0) is equal to:	A. 0 B. -1 C. 1
15	The fixed point of the conic is called:	A. Directrix B. Vertex C. Focus D. None of these
16	Question Image	A. a B. 2b C. b D. 2a
17	The center of circle $(x+3)^2 + (y-2)^2 = 16$ equals:	A. (-3, 2) B. (3, -2) C. (3, 2) D. (-3, -2)

18	Question Image	
19	Question Image	A. Position vector of O B. Position vector of P C. Unit vector D. Null vector
20	If r is the radius of the circle and its center is at origin, then equation of circle is:	A. x² + y² = a² B. x² + y² = r² C. x² - y² = a² D. x² - y² = r²