ICS Part 2 Mathematics Full Book Test Online

Sr	Questions	Answers Choice
1	If equation of circle is $(x - h)^2 + (y - k)^2 = r^2$, then center of a circle:	A. (-h, -k) B. (h, k) C. (-h, k) D. (h, -k)
2	Question Image	A. Derivative B. Differential C. Integral D. None of these
3	Question Image	
4	Question Image	A. 0 B. 1 C. 2 D. 3
5	The point of intersection of internal bisectors of the angles of a triangle is called:	A. Centroid B. Ortho-centers C. Circums-center D. In-center
6	A parallelogram is a rhombus if and only if its diagonals are:	A. Parallel B. Perpendicular C. Equal D. None of these
7	Question Image	A. 0 B. 2 C. 1 D. -1
8	Inclination of X-axis or of any line parallel to X-axis is:	A. Zero D. Undefined
9	Question Image	A. cosec x + c B. -cosec x + c C. cot x + c D. - cot x + c
10	Equation of the line parallel to x + 3y - 9 = 0 is:	A. 3x - y - 9 = 0 B. 3x + 9y + 7 = 0 C. 2x - 6y - 18 = 0 D. x - 3y + 9 = 0
11	Question Image	A. 0 B. 1 C. -1 D. 2
12	Question Image	A. x - axis B. z - axis C. y - axis D. None of these
13	The radius of circle $x^2 + y^2 + 2gx + 2fy + c = 0$ is:	
14	If the equation of the parabola is $y^2 = - 4ax$, then opening of the parabola is to the _____ of the y-axis:	A. Left B. Upward C. Right D. Downward
15	Point of intersection of lines x - 2y + 1 = 0 and 2x - y + 2 = 0 equals:	A. (1, 0) B. (0, 1) C. (-1, 0) D. (0, -1)
16	Question Image	A. 0 B. -1 C. 1 D. 2
17	For any point (x, y) on x-axis:	A. y = 1 B. y = 0 C. y = -1

		D. y = 2
18	Question Image	A. a B. b C. c D. a + b
19	If any two vectors of scalar triple product are equal, then its value is equal to:	A. 0 B. 1 C. -1 D. 2
20	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| < r B. |CP| > r C. |CP| = r D. None of these