FSC Part 2 Mathematics Full Book Online Test

Sr	Questions	Answers Choice
1	Question Image	A. sinh x B. cosh x C. -sinh x D. -cosh x
2	Question Image	A. cosech x coth x B. -cosech²x C. -cosech x coth x D. cosech²x
3	Question Image	A. a B. b C. c D. a + b
4	y = -2 is a line:	A. Parallel to x-axis B. Parallel to y-axis C. Perpendicular to x-axis D. None of these
5	An integral of $3x^2$ is:	A. x³+c B. 3 C. 6x D. x^{2+c}
6	Inverse hyperbolic functions are expressed in terms of natural:	A. Numbers B. Exponential C. Logarithms D. Sines
7	Question Image	
8	A line which divides a plane into two parts is called:	A. Boundary point B. Boundary line C. Feasible line D. None
9	Question Image	A. x = a B. x = 2 C. x = 0 D. None
10	The centroid of the triangle whose vertices are (3, -5), (-7, 4) and (10, -2) is:	A. (-2, -2) B. (-2, 2) C. (2, -1) D. (0, 0)
11	Question Image	
12	If the equation of the parabola is $x^2 = 4ay$, then opening of the parabola is to _____ of the x-axis:	A. Left B. Upward C. Right D. Downward
13	If the focus lies on the y - axis with coordinates F(0, a) and directrix of the parabola is y = -a, then the equation of parabola is:	A. x² = 4ay B. -x²= 4ay C. -y²= 4ax D. y²= 4ax
14	If the degree of a polynomial function is ----------, then it is called a linear function:	A. 0 B. 1 C. 2 D. 3
15	Question Image	A. sin x B. cos x C. sinh x D. cosh x
16	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

17	The equ. of directrix of the parabola $y^2 = -4ax$ is:	A. x = a B. x = - a C. y = a D. y = -a
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. 4 B. 2 C. 1
20	Question Image	A. a B. 2b C. b D. 2a