Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The point (x_1, y_1) lies outside the circle $x^2+ y^2+ 2gx + 2fy + c =0$ if	
2	Question Image	
3	In common logarithm the base is	A. 1 B. 0 C. 10 D. e
4	The corner point of the boundary lines, x- 2x x+2y=10 is:	A. (8,1) B. (1,8) C. (6,10) D. (3,5)
5	π is the ration of	A. Area of a circle to its diameter B. Area of a circle to its radius C. Circumference of a circle to its diameter D. Circumference of circle to its radius
6	The constant distance of all points of the circle from its centre is called the	A. radius of the circle B. secant of the circle C. chord of the circle D. diameter of the circle
7	Question Image	D. none of these
8	Any horizontal line divided the plane into	A. Left half plane B. Upper and lower half planes C. Infinite number of horizontal liens D. None of these
9	Question Image	A. 0 B. 1 C. 2 D. 3
10	Question Image	
11	Question Image	D. none of these
12	The set (Z, +) forms a group	A. Forms a group w.r.t addition B. Forms a group w.r.t multiplication C. Non commutative group w.r.t multiplication D. Doesn't form a group
13	Every term of a G.P. is positive and also every term is the sum of two preceding terms. Then the common ratio of the G.P. is	
14	If (a, b) is the mid-point of a chord passing thro' the vertex of the parabola $y^2= 4x$, then	A. a = 2b B. 2a = b C. a²= 2b D. 2a = b²
15	The projections of a line segment on x, y, z axes are 12, 4, 3. The length and the direction cosines of the line segment are	
16	Question Image	
17	Sin 270° = _____	A. -1 B. 0 C. 1 D. Undefined
18	The total cost of 2 apples and 3 oranges is $1.70, which of the following is true	A. The cost of one apple B. The cost of one orange C. Both have equal cost per item D. Cost of each single item can not be determined
		A. 1 B. 12

19	Question Image	B. 12 C. 5 D. 29
20	The value of sin [arc cos (-1/2)] is	