Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	For all points (x,y) in fourth quadrant	A. x > 0 , y < 0 B. x > 0 , y > 0 C. x < 0 , y < 0 D. x < 0 , y > 0
2	The centroid of a triangle divides each median in the ratio	A. 2 : 1 B. 3 : 1 C. 3 : 2 D. 1 : 1
3	Question Image	D. none of these
4	A tower subtends an angleαat a point on the same level as the root of the tower and at a second point, b meters above the first, the angle of depression of the foot of the tower isβ. The height of the tower is	A. b cotαtanβ B. b tanαtanβ C. b tanαcotβ D. None of these
5	Question Image	A. Associative law of multiplication B. Commutative law of addition C. Commutative law of multiplication D. Associative law of addition
6	If f(x) = x^2then f(0) is	A. 0 B. 1 C. 2 D. none of these
7	Question Image	
8	Question Image	D. none of these
9	If the vertex of the parabola is the origin and directrix is x+5 = 0 . then its latus rectum is:	A. 10 B. 5 C. 0 D. 20
10	The only function which is both even and odd is	A. f(x) =α B. f(x) = x C. f(x) =0 D. Both A & B
11	Question Image	A. sin h x B. cos h x C. sec h x D. cosec h x
12	Question Image	
13	Question Image	
14	Question Image	
15	If sin ($\pi\cos\theta$) = cos ($\pi\sin\theta$), then which of the following is correct?	
		A. 1/3

16	If cos (2 sin-1 x) = 1/9 , then what is the value of x?	B. -2/3 C. 2/3 D. 2/3 , -2/3
17	sin(a + β)+sin(a -β) =_____;	A. 2cosa cosβ B. 2sina cosβ C. 2cosa sinβ D. -2sina sinβ
18	Question Image	
19	(a,0) x (c,0) =	A. (0,ac) B. (ac,0) C. (0,0) D. (a,c)
20	Question Image	