Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	u,v,wand u x (v.w) are	A. Equal B. Parallel C. Additive immense of each other D. Meaningless
2	Question Image	A. 1 B. 5 C. 7 D. 9
3	What is the number of elements of the power set of { }	A. 0 B. 1 C. 2 D. 3
4	Question Image	A. 0.9 B. 0.74 C. 0.2016 D. None of these
5	If A is a non-singular matrix then adj A is	A. Non-singular B. Symmetric C. Singular D. Non defined
6	If y = sin (ax + b), then fourth derivative of y with respect to x =	A. $a^4\cos(ax+b)$ B. $a^4\sin(ax+b)$ C. $-a^4\sin(ax+b)$ D. $a^4\tan(ax+b)$
7	Question Image	
8	Question Image	
9	(0,1) is in the solution of the inequality	A. $3x + 2y > 8$ B. $2x - 3y < 4$ C. $2x + 3y > 5$ D. $x - 2y < -5$
10	If x < y, 2x = A, and 2y = B, then	A. $A = B$ B. $A < B$ C. $A < x$ D. $B < y$
11	The line through the intersection of the lines x+ 2y+ 3= 0 : 3x +4y +7 =0 and making equal intercepts on the axes is	A. $x + y + 1 = 0$ B. $x + y - 2 = 0$ C. $x + y + 2 = 0$ D. $2x + y + 2 = 0$
12	The exact degree value of the function sin-1(-√3/2) is	A. 70° B. 50° C. 90° D. 60°
13	Question Image	
14	A second degree equation in which coefficients of x^2 and y^2 are equal and there is no product therm xy represents:	A. a parabola B. a circle C. an ellipse D. a pair of lines
15	If G is the centroid of the triangle, then GA +GB+GC=	A. 0 B. 1 C. -1 D. 3
16	The set {Z\{0}} is group w.r.t	A. Addition B. Multiplication C. Division D. Subtraction
17	Question Image	A. (1, 3) B. (-1, -3) C. (1, -3)

18	Question Image	A. 6 B. 360 C. 120 D. 24
19	Geometrically the modulus of a complex number represents its distance from the	A. Point (1,0) B. Point (0,1) C. Point (1,1) D. Point (0,0)
20	Question Image	