Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The ratio in which the line y- x+ 2 =0 divides the line joining (3,-1) and (8,9) is	A. 2:3 B. -2:3 C. 3:2 D. -3:2
2	The distance of the plane 2x - 3y + 6z + 14 = 0 from the origin is	A. 14 B. 2 C. -2 D. 11
3	If a and b are real numbers then a+b is also real number this law is called	A. associative law of addition B. closure law of addition C. Distributive law of addition D. Commutative law of addition
4	Question Image	
5	(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
6	Question Image	
7	Question Image	A. 2x B. 3x² C. 1 D. 0
8	Question Image	
9	If the angle between two vectors u and v is 0 or π, then the vectors u and v are:	A. Orthogonal B. Collinear C. Perpendicular D. None of these
10	Question Image	A. 0 B. 1
11	Cosec 60° = _____	
12	Question Image	A. Closure law of addition B. Associative law of addition C. Additive inverse D. Additive identity
13	Question Image	A. 0 B. 1 C. -1 D. None of these
14	Which element is the additive inverse of (a, b) in Complex numbers?	A. (a, 0) B. (0, b) C. (a, b) D. (-a, -b)
15	A point (x,y) which satisfy a linear inequality in two variables form its	A. Solution B. Domain C. Range D. None
16	Question Image	
17	If x-2 and x-1 both are factors of $x^3-3x^3+2x-4p$, then P must equal to	A. 1 B. 2 C. 0 D. -2
18	Question Image	A. 56 B. 7 C. 8 D. 8/7

19	If A and B are two sets then intersection of A and B is denoted by	
20	Question Image	A. Reflexive property B. Symmetric property C. Transitive property D. Additive property