Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	In R the number of identity element w.r.t '+' is	A. One B. Two C. Three D. Four
2	The set of integer is	A. Finite group B. A group w.r.t addition C. A group w.r.t multiplication D. Not a group
3	Question Image	D. none of these
4	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)
5	The set { 1 , -1} is closed w.r.t.	A. Addition B. Multiplications C. Subtraction D. None of these
6	Question Image	
7	Question Image	
8	If A and B are skew-symmetric then (AB)t is	A. At Bt B. AB C. -AB D. BA
9	Question Image	
10	Question Image	
11	If A is such that a,A,B are in A.P then A is called	A. A.M B. Common ratio C. Common difference D. None of these
12	The magnitude of vector a=i-3j+5k is:	A. 3 B. $\sqrt{35}$ C. $\sqrt{17}$ D. $\sqrt{35}$
13	If the st. line 3x + 4y = K touches the circle $x^2+ y^2- 10x = 0$ then the value of K is	A. -1 or 20 B. -10 or 40 C. -2 or 20 D. 2 or 20
14	The general term of a sequence is denoted by	A. a_1 B. a_n C. n D. s_n
15	Trival solution of homogeneous linear equation is	A. (0, 0, 0) B. (1, 2, 3) C. (1, 3, 5) D. a.b and c
16	Question Image	
17	Which of the following is the subset of all sets?	
18	How many arrangements of the letters of the word ADDING can be made	
19	If Sn is a definite number as n → ∞,then the geometric series is	A. Convergent B. Divergent C. Oscillatroy D. None of these
20	The liner equation ax + by = c is called _____ of the inequality ax +by > c.	A. Associated equation B. Non-associated equation C. disjoint equation

C. disjoint equation
D. Feasible equation