Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Trival solution of homogeneous linear equation is	A. (0, 0, 0) B. (1, 2, 3) C. (1, 3, 5) D. a, b and c
2	Question Image	
3	The fixed point from which all the points of a circle are equidistant is called the	A. chord of the circle B. centre of the circle C. diameter of the circle D. radius of the circle
4	If $f(x) = \tan x$ then $f(0)$ is	A. 0 B. 1 C. 1/2
5	E-radius corresponding to < B is	
6	In R the number of identity element w.r.t '+' is	A. One B. Two C. Three D. Four
7	Question Image	A. 16 B. 256 C. 64 D. 1024
8	Question Image	D. none of these
9	There may be _____ feasible solution in the feasible region	A. Infinite B. Finite C. Defined D. None of above
10	Which of the following is a scalar.	A. force B. frequency C. weight D. acceleration
11	If S is a sample space and event set E =Φ then P(E) is	A. >0 B. 1 C. <1 D. 0
12	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
13	Question Image	A. 0 B. -4 D. none of these
14	In polar form of complex number r =	
15	Question Image	A. 0 B. -2 C. 1 D. 4
16	Question Image	
17	Question Image	A. (3, 1, -2) B. (3, -2, 1) C. (2, -1, 3) D. (-1, -2, -3)
18	Name the property used in 4.1 + (-4.1) = 0	A. Additive inverse B. Multiplication inverse C. Additive identity D. Multiplication identity
		A. Forms a group w.r.t addition

19	The set (Z, +) forms a group	B. Forms a group w.r.t multiplication C. Non commutative group w.r.t multiplication D. Doesn't form a group
20	Question Image	