Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	Which of the following is a scalar	A. weight B. force C. speed D. momentum
3	Question Image	
4	The condition for ax2 + bx c to be expressed as the product of linear polynomials is	A. b4 - 4ac =0 B. b4- 4ac ≥0 C. b4- 4ac <0 D. b4= 4ac
5	Trival solution of homogeneous linear equation is	A. (0, 0, 0) B. (1, 2, 3) C. (1, 3, 5) D. a, b and c
6	(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
7	Question Image	
8	Question Image	
9	System of linear equation is inconsistent if	A. System has no solution B. System has one solution C. System has two solution D. None of above
10	A conditional "if p then q" is denoted by	
11	3x + 4 ≥ 0 is	A. equation B. inequality C. identity D. none of these
12	Question Image	A. Improper rational fraction B. Rational fraction C. Proper rational fraction D. None of above
13	The additive identity of real number is	A. 1 B. 2 C. 1/2 D. 0
14	Question Image	
15	If the sum of even coefficients in the expansion of (1+x)n is 128 then	A. n=7 B. n=9 C. n=8 D. None
16	If there is one-one correspondence between A and B, then we write.	A. A = B B. A⊆ B C. A⊇ B D. A ~ B
17	i^3 =	A. -1 B. i C. -i D. 1
		A. cos4θ

18	$\cos^4\theta - \sin^4\theta =$	B. cos2θ C. -sinθ D. sin2θ
19	Question Image	
20	(0,0) is in the solution of the inequality	A. x + y > 3 B. x - y > 2 C. 3x + 2y > 5 D. 3x - 2y < 2