Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	In a school there are 150 students Out of these 80 students enrolled for mathematics class.50 enrolled for English class and 60 enrolled for Physics class The student enrolled for English cannot attend any other class but the students of mathematics and Physics can take two courses at a time find the number of students who have taken both physics and mathematics.	A. 40 B. 30 C. 50 D. 60
3	If x, y, z are the pth, qth, rth terms of an A.P. and also of G.P., then x^{y-z}. y^{z-x}. z^{x-y}eqals	A. xyz B. 0 C. 1 D. None of these
4	Question Image	
5	If a = [1,4,3] and B= [2,-1,5] athen the mid point M of AB is:	A. [1,1,1.5] B. [2,2,1.5] C. [1.5,1.5,4] D. None of these
6	Inequalities have _____ symbol	A. 2 B. 3 C. 4 D. 1
7	Domain of cos x is _____	
8	The square matrix A is skew-symmetric when At =	A. -B B. -C C. -A D. -D
9	In set builder notation the set {0, 1, 2, ..., 100} can be written as	
10	Question Image	
11	Question Image	
12	Question Image	
13	Question Image	
14	$\pi$is the period of the function	A. |sin x| + |sin x| B. sin⁴x + cos x C. sin (sin x) + sin (cos x) D. None of these
15	Every real number is	A. a positive integer B. a rational number C. a negative integer D. a complex number
16	Which of the following is factor of p(x) =2x3 +3x2+3x+2 ?	A. x+1 B. 2x+1 C. 3x+1 D. 2x-1
17	Each point of the feasible region is called	A. Solution B. feasible solution C. Both a & b D. None
18	Question Image	A. -1 B. 1 C. 2 D. -2
19	If sin$\theta$and cos$\theta$are the roots of the equation ax^2- bx + c = 0, then a, b, c satisfy the relation	A. b²- a²= 2ac B. A²- b²= 2ac C. A²+ b²= c²

		D. B²+ a²= 2ac
20	Question Image	A. x =0, y =4 B. x = -1, y = 2 C. x = 2, y = 3 D. x = 3, y = 4