Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Union of the sets of rational and irrational numbers is called 6th set of	A. Natural numbers B. Real numbers C. Whole numbers D. Prime numbers
2	$i^{101} =$	A. i B. i^2 C. -i D. -1
3	The first three terms in the expansion of $(1 - x)^{-1}$ are	A. $1 + x + x^2$ B. $1 - x - x^2$ C. $-1 -x +x^2$ D. $1 - x + x^2$
4	The middle term of $(x-y)^8$ is	A. $25 x^4 y^4$ B. $70 x^4 y^4$ C. $120 x^4 y^4$ D. $97x^4 y^4$
5	The distance of the plane $2x - 3y + 6z + 14 = 0$ from the origin is	A. 14 B. 2 C. -2 D. 11
6	Matrices A = [aij] 2 x 3 and B =[bij] 3 x 2 are suitable for	A. BA B. A^2 C. AB D. B^2
7	How many 6-Digit number can be formed without repairing any digit from the digits 0,1,2,3,4,5	A. 720 B. 600 C. 120 D. 6-5!
8	Range of $\csc\theta$ is	A. W - {y | -1 < y < 1} B. R - {y | -1 < y < 1} C. O - {y | -1 < y < 1} D. R
9	Question Image	A. 0 B. 1 D. none of these
10	Question Image	A. 15 B. 15 i C. -15 i D. -15
11	Question Image	
12	What is the value of cos (cos-1 2) ?	A. $\sqrt{2}$ B. 1/2 C. undefine D. 0
13	Question Image	
14	The general solution of tan 3x = 1 is	
15	Question Image	
16	Question Image	
17	Which of the following sets is finite	A. The set of natural numbers between 3 and 10 B. The set of rational numbers between 3 and 10 C. The set of real numbers between 0 and 1 D. The set of rational numbers between 0 and 1

18	Question Image	A. 3/4 B. -3/4 C. 4/3 D. -4/3
19	If S and P are the sum and the product of roots of a quadratic equation, then the quadratic equation is	A. $x^2 + Sx - P = 0$ B. $x^2 - Sx + P = 0$ C. $x^2 - Sx - P = 0$ D. $X^2 + Sx + P = 0$
20	{1, 2, 3, 4,.....} is set of _____	A. Natural numbers B. Whole numbers C. Integers D. Rational numbers