Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The distance between the points (2,3) and (3,2) is	A. 5 C. 2 D. 10
2	Question Image	A. Rational fraction B. Proper fraction C. Improper rational fraction D. None of these
3	There are _____ basic techniques for solving a quadratic equation	A. Two B. Three C. Four D. None of these
4	For each natural number n, n (n+1) is	A. an even B. an odd C. multiple of 3 D. Irrational
5	The symbol of irrational is	A. W B. N C. Q D. Q'
6	f(x) = ax + b will be a constant function if	A. a = 1 , b = 1 B. a = 1 , b = 0
7	We solve the system of non-homogeneous linear equations by	A. a and b B. b and c C. c and a D. a,b and c
8	The range of function f(x)=-x2+2x-1 is	A. R B. (-∞,0] C. (-∞,1] D. [0,∞)
9	A dice is rolled. The probability that the dots on the top are greater than 4 is	A. 1/6 B. 1/3 C. 1/2 D. 1
10	The set of real numbers is a subset of	A. The set of natural numbers B. The set of rational numbers C. The set of integers D. The set of complex numbers
11	The points (5, 2, 4)(6, -1, 2) and (8, -7, k) are collinear if k is equal to	A. -2 B. 2 C. 3 D. -1
12	Which of the following is not a unit vector	A. [1, 1, 1] B. [0, 1, 0] C. [0, 0, 1] D. [1, 0, 0]
13	3x + 4 ≥ 0 is	A. equation B. inequality C. identity D. none of these
14	Question Image	
15	Question Image	
16	The arbitrary constants involving in the solution can be determined by the given conditions. Such conditions are called	A. Boundaries B. Variable separable C. Initial values D. None
17	Question Image	A. ⁿC_r B. ⁿ⁺¹C_{r+1} C. ⁿC_{r+1}

		D. None
18	The sum of first 60 natural numbers is	A. 1830 B. 3660 C. 1640 D. 1770
19	The Domain of y = sin x is _____	A. Set of real numbers B. Rational C. Irrational no. D. None of above
20	pth term of an H.P. is qr and qth term is pr then the rth term of the H.P. is	A. pqr B. 1 C. pq D. pqr²