Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	Question Image	
2	The angle of depression of a point situated at a distance of 70 meters from the base of a tower is 45°. The height of the tower is	A. 70 m B. 85 m C. 35 m D. None of these
3	Second derivative of $y = x^9 + 10x^2 + 2x - 1$ at $x = 0$ is	A. 10 B. 20 C. 12 D. 1
4	Trival solution of homogeneous linear equation is	A. (0, 0, 0) B. (1, 2, 3) C. (1, 3, 5) D. a.b and c
5	Tangent is a periodic function and its period is _____	A. 2π B. 3π C. π D. 4π
6	A box contains 10 red 30 white and 20 black marbles When a marble is drawn at random the probability that it is either red or white is	A. 1/6 B. 1/3 C. 1/2 D. 2/3
7	The series obtained by adding the terms of an arithmetic sequence is called the	A. Infinite series B. Harmonic series C. Geometric series D. Arithmetic series
8	Question Image	A. (2x4) B. (2x7) C. (2x3) D. (7x2)
9	The value of p for which both the roots of the equation $4x^2 - 20x + (25p^2 + 15p - 66) = 0$ are less than 2, lies in	
10	Question Image	
11	The range of inequality $x + 2 > 4$ is	A. (-1, 2) B. (-2, 2) C. $(1, \infty)$ D. None
12	Question Image	

13	r + 3 >5 then which is true	A. r + 2 > 4 B. r + 2 < 4 C. r + 2 = 4 D. None
14	Name the property used in 1000 x 1 = 1000	A. additive inverse B. multiplicative inverse C. additive identity D. multiplicative identity
15	Question Image	
16	22.5°=_____	
17	The transport of a null matrix is	A. Row matrix B. Column matrix C. Square matrix D. Null matrix
18	The maximum value of $12 \sin\theta - 9 \sin^2\theta$ is x	A. 3 B. 4 C. 5 D. None of these
19	All letters of the word "AGAIN" are permuted in all possible ways and the words so formed (with or without meaning) are written as in dictionary, then the 50th word is	A. NAAGI B. NAAIG C. IAANG D. INAGA
20	Question Image	