Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	If sin x + $\sin^2$x = 1, then the value of Cos^{12}x + 3$\cos^{10}$x + 3$\cos^8$x + $\cos^6$x + 2 $\cos^4$x + $\cos^2$ x-2 is equal to	A. 0 B. 1 C. 2 D. sin²x
2	Question Image	
3	Question Image	A. 1 B. 3 C. 2-i D. -1
4	The distance of the point (2,3) from y-axis is	A. 2 B. 3 C. 5
5	A function from X to X is denoted as	B. f : X to Y D. f : Y to Y
6	Question Image	D. none of these
7	A card is drawn from a pack of cards numbered 1 to 52, the probability that the number on the card is a perfect square is	A. 1/13 B. 2/13 C. 7/52 D. None of these
8	A function in which the variable appears as exponent is called:	A. An identity function B. A logarithmic function C. an exponential function D. A rational function
9	Question Image	
10	Question Image	A. Null matrix B. Triangular matrix C. Unit matrix D. Rectangular matrix
11	The term involving x4 the expansion (3-2x)7 is	A. 217 x4 B. 15120x4 C. 313x4 D. -25x4
12	The set of the first elements of the ordered pairs forming a relation is called its	A. Function on B B. Range C. Domain D. A into B
13	Question Image	
14	The set of first elements of the ordered pairs in a relation is called its	A. domain B. range C. relation D. function
15	A number A is said to be the A.M between the two numbers a and b if a, A, b are in	A. A.M B. A.P C. G.P D. G.M
16	$\sqrt[3]{8.6}$ is approximately equal to	A. 2.488 B. 2.48 C. 2.0488 D. 2.05
17	If y is an image of x under the function f, then we write	A. y = f(x) B. x = f(y) C. y = x D. none of these
18	Cos 60° = _____	A. 1 B. 2 C. 1/2

		D. 3
19	The function sine and Cosine have the closed internal as their range	A. [1, 0] B. [-1, 1] C. [0, 1] D. [-1, 2]
20	Question Image	D. all are correct