Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The positive real number which is the measure of the length of a vector is called the	A. Unit vector B. Modulus C. Inverse D. None of these
2	A polynomial of arbitrary degree	A. f(x) = o B. f(x) = x C. f(x) = a D. f(x) = ax + b,a ≠ 0
3	If a variable y dependents on a variable x in such a way that each value of x determines exactly one value of y, then we say that	A. x is function of y B. y is a function of x C. y is independent variable D. x is real valued function
4	Question Image	A. A = B B. B = C C. A = C D. None of these
5	Question Image	A. 45° B. 30° C. 75° D. 60°
6	Question Image	
7	If (x_1, y_1) and (x_2,y_2) are the end points of a diameter then the centre of the circle is	
8	The points A(+1,-1),B(3,0),C(3,7),D(1,8) are vertices of	A. Square B. Parallelogram C. Rectangle D. Trapezium
9	Question Image	A. y + 1 = Ae^x B. y + 1 = Axe^x C. xe^x= C D. y + xe^x= C
10	Question Image	A. A B. B C. U D. None of these
11	2cos2 a/2 =_____;	A. 1+sina B. 1-sina C. 1+cosa D. 1-cosa
12	The probability that the sum of dots appearing in two successive thrown of two dice, in every time 7 is	A. 1/5 B. 1/36 C. 1/7 D. 1/63
13	Question Image	A. 0 B. 1 C. -1 D. none of these
14	How many necklaces can be made from 6 beads of different colours?	A. 120 B. 60 C. 24 D. 15
15	The set R is .....w.r.t subtraction	A. Not a group B. A group C. No conclusion drawn D. Non commutative group
16	A function whose domain is a subset of natural numbers is called _____	A. Identity function B. Sequence C. Onto function D. Series

17	Question Image	A. 1 B. -1 C. 0 D. None of these
18	The roots of the equation will be irrational if b^2- 4ac is	A. Positive and perfect square B. Positive but not a perfect square C. Negative D. Zero
19	Question Image	
20	If n is not natural number, then the expansion $(1 + x)^n$is valid for	