Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The value of x which is unchanged by the mapping in the function defined by f ; x x^2 + 5x - 5 for x> 0 is	A. 1 B. 5 C. -5 D. -1
2	The set {1, 2, 3, 4, ...} is called	A. Set of Natural numbers B. Set of whole numbers C. Set of rational number D. Set of irrational numbers
3	sin5θ+sin3θ = _____;	A. 2sin 4θ cosθ B. 2cos 4θ sinθ C. 2cos 4θ cosθ D. -2sin 4θ sinθ
4	The negation of given number is a	A. Binary operation B. Unary operation C. Relation D. None of these
5	The function ø(x) is ananti derivativeof function f (x),x∈Df if	A. ø′(x) =∫f(x)dx B. ø(x) =∫f(x)dx C. ø′(x) =f(x) D. ø(x) =∫′(x)dx
6	If A = |aij| is (m x n) matrix then transpose of A is of the order	A. m x m B. m x n C. n x n D. n x m
7	Which of the following is a factor of x^3- $3x^2$+ 2x - 6	A. x + 2 B. x + 3 C. x - 3 D. x - 4
8	∫f(x) is known as:	A. Definite itegral B. Indefinite integral C. Fixed integral D. Multiple integral
9	There may be _____ feasible solution in the feasible region	A. Infinite B. Finite C. Defined D. None of above
10	√2 +√3 +√5) = (√2 +√3 +√5: this property is called	A. associative property w.r.t addition B. commutative property C. Closure property w.r.t addition D. Additive identity
11	Question Image	
12	Question Image	
13	If the line 2x -y +k =0 is a diameter of the circle x2 +y2 +6x -6y +5 =0 then k is equal to	A. 12 B. 9 C. 6 D. 3
14	an - an-1 will be common difference in an A.P if	A. n = 1∀n∈ N B. n>1∧n∈N C. n∈Z D. None of the above
		A. I andI<span

		style= background-color: rgb(255, 255, 248); color: rgb(34, 34, 34); font-family: "Times New Roman"; font-size: 18px;">I quadrants B. II and III quadrants C. II and IVquadrants D. none of these
15	Question Image	
16	If p and q are two statements then their biconditional 'p if q' is denoted by	
17	In (x + iy), y is called as	A. Imaginary part B. Complex number C. Real part D. None of above
18	Question Image	
19	Question Image	
20	Question Image	D. none of these