Mathematics General Science Test Medium Mode

Sr	Questions	Answers Choice
1	The domain of the principle sine function is	
2	If a≠ , b≠ 0 and|a=b|=|a-b|,then vectors a and b are:	A. Parallel to each other B. Perpendicular to each other C. Inclined at 60^o D. neither parallel nor perpendicular
3	The logic in which every statement is regarded as true or false and no other possibility is called	A. Aristotelian login B. Inductive logic C. Non-Aristotelian logic D. None of these
4	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
5	The graph of a linear function is	A. a circle B. triangle C. a straight line D. none of these
6	For a set A, A∪Ac= ----------	A. A B. ∅ C. Ac D. U
7	The standard form of the quadratic function f(x) = $-x^2$ +4x+2, is	A. (x-2)²+6 B. -(x-2)² + 6 C. (x-3)²+5 D. (x+4)²-7
8	If a, b, c are the measures of the sides of a triangle then	
9	Period of sin x is	
10	The set of rational numbers is subset of	A. The set of natural numbers B. The set of real numbers C. The set of integers D. The set of whole numbers
11	w^4= _____	A. 0 B. 1 C. w D. w²
12	The second degree equation of the form Ax2 +By2 +Gx +Fy +C =0 represent hyperbola if	A. A = B≠ 0 B. A≠ B and both are of same sign C. A≠ B both are of opposite sign D. Either A = 0 or B =0
13	Question Image	
14	Question Image	A. Commutative law of multiplication B. Closure law of multiplication C. Associative law of multiplication D. Multiplication identity
15	A person standing on the bank of a river finds that the angle of elevation of the top of a tower on the opposite bank is 45°. then which of the following statements is correct?	A. Breadth of the river is twice the height of the tower B. Breadth of the river an the height of the tower are the same C. Breadth of the river is half of the height of the tower D. None of these
16	If A is a skew-symmetric matrix of order n and P, any square matrix of order n.prove that P' AP is	A. Skew-symmetric B. Symmetric C. Null D. Diagonal
17	Question Image	
		A. a > b

18	ab > 0 and a > 0 then	B. a < b C. a = b D. None
19	tan h x = _____	
20	Domain of tan x is _____	