CLASS - 12 A *TEST-1*. *MATHS*
6/05/2020

MM 50. TIME 1 hr.

(1) Relation R in the set A ={1,2,3,4,.....13,14} defined as R = {(x ,y):3x- y=0} are reflexive, Symmetric and Transitive.
(2) Show that the function f: N to N given by f(x)= 2x, is one-one but not onto.
(3) Find the principal value of sine Invers (-1/2).
(4) What is the Symmetric and Skew Symmetric matrix with example.
(5) Construct a 3×4 matrix,whose elements are given by [aij] = 2i+ j
(6) If a matrix has 24 elements, what are the possible order it can have?
(7) Satisfy the associative low of addition matrix.
(8) Let * be the binary operation on N given by a*b = L.C.M. of a and b. Find 5*6 and 20*16
(9) Show that f(x)= 2x+1 is bijective functions.
(10) What is the composition function explain with example