**JULY IV WEEKLY TEST**

**CLASS XII MATHS**

**Time-30min M.M.10**

**NOTE- *Attempt all questions*.**

1. **It is given that for the function f(x) = x³-6x²+px-q on [1,3] role’s theorem holds with c=2+1/√3, find the values of p and q. (2)**

**OR**

**Show that f(x) = │x-5│ is continuous but not differentiate at x=5?.**

1. **If x= a[ cost + log tan t/2] , y = a sin t , find dy/dx and d²y/dx² ? . (4)**

**3.Find the derivative of the following function**

**y = + . (4)**

**THE END**