**AUGUST II WEEKLY TEST**

**CLASS XII MATHS**

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

***NOTE:- Attempt all the questions.***

**1. If the radius of sphere is measured as 9m with an error of 0.03m, then find the approximate error in calculating its volume. 2M**

**2. Find the maximum and minimum value of-**

**2-24+107 in the interval if any. 2M**

**3.Show that the height of the cylinder of maximum volume that can be Inscribed in a sphere of radius R is 2r/.**

**Also find the maximum Volume. 6M**

**THE END---**