**NORTH POINT SENIOR SECONDARY BOARDING SCHOOL, RAJARHAT**

**CLASS - IX**

**Subject : Science**

**Assignment of the chapter: Is Matter Around Us Pure**

**Calculate the following numericals:**

**1. Calculate the concentration of a solution which contains 12g of urea in 160g of solution.**

**2. Calculate the mass of glucose needed to prepare 250g of 5% solution by mass.**

**3. 5ml of Hydrogen peroxide is dissolved in 95ml of water. Calculate it's percentage in volume by volume.**

**4. Calculate the amount of glucose required to prepare 250g of 5% solution by mass.**

**5. A solution is prepared by adding 40g of sugar in 100g of water. Calculate the concentration percentage of this solution.**

**6. 300g of 25% solution and 400g of 40% solution by mass are mixed together to get a solution. Calculate mass percentage of resulting solution.**