**Dilution Tutorial 2**

Q1 : Describe how to prepare a 400 ml ,1:8 dilution of a disinfectant solution from a stock solution provided using water as your diluent.

Q2: You are provided with 3ml of a 100 mg/ml stock solution of ampicillin and requested to prepare dilute it a final concentration of 25mg/ml and final volume of 200µl. Calculate the volume of stock solution needed? describe the preparation process .

Q3: An100.0 mL of 2.500 M KBr solution is on hand. You need 0.5500 M. What is the final volume of solution which results?

Q4: Fom the following serial dilution answer the following (stock solution is 0.4M );

1. The dilution factor ?
2. Calulate the concentration of tube 4 and 7 in the serial dilution .

