**Homework 1 CLS 414 1st semester 1437-1438**

1. **How much diluent needs to be added to 2.2mL of serum to make a 1:20 dilution?**
2. **A 5% solution of RBC is needed for diagnostic testing in the laboratory. What dilution of packed red blood cells does this represent?**
3. **How would you prepare 1in 3 dilution of serum in a total volume of 3 ml? If the serum was already diluted 1 in 2, how would you prepare a 1 in 3 dilution of the serum in a total volume of 3ml?**
4. **You are given 5ml of patient serum and 100ml of diluent buffer.**

**How would you prepare 0.2 ml of a 1 in 4 dilution of the serum using the given diluent?**