**DEPARTMENT OF PHARMACOLOGY**

**DOSAGE CALCULATION 25 Marks**

**14 BATCH Date:12.7.2021,10-11am**

1.How many ml of a 1 in 1,00,000 solution would you need to obtain 1mg Adrenaline.

2.calculate the parenteral iron required for a patient weighing 45kg with the Hb level of 8g/dl of blood, normal Hb level=13gm/dl).

3.Calculate the maintenance dose of Lignocaine for a patient weighing 60kg who is having ventricular arrhythmias.

kinetics of lignocaine is target plasma concentration=3mg/ml,

bioavailability=55%,

clearance=38.4 L/Kg.

4.A 35 years of old man was admitted with a history of diarrhea and vomiting. On examination he was found to be dehydrated. He needs 3 pints of normal saline. Calculate the weight of sodium chloride to be used.

5.Calculate the infusion of dopamine in drops/min for a patient weighing 60ok suffering from cardiogenic shock. The required therapeutic dose is 5microgm/kg/min. The given drug contains 200mg/ml. The drug should be delivered in 250ml of normal saline.