

Drug Calculation Exam Practice (Adult) – Set 1

- 1) A 60 year old woman with angina is prescribed 135mg Verapamil t.d.s, stock strength available is 90mg. How many tablets will she need to take for each dose (express in decimal)?
- 2) 375mg of the drug Augmentin is prescribed t.d.s.What is the total amount of Augmentin in **gram**sto be given in a day?
- 3) The drug Dopamine is prescribed at 2.5micrograms/kg/day. Patient A weighs 65kg, what is the total amount of Dopamine that Patient A will need?
- 4) A female patient who weighs 65.5kg is prescribed the antibiotic Cidomycin 3mg/kg/day i.v. Calculate the dose in mg of Cidomycin?
- 5) A patient is prescribed Heparin 10,000units s.c. Stock strength available is 4000 units in 0.2mL. What is the volume in **mL** that the patient will receive?
- 6) Patient Y is prescribed Furosemide 70mg i.v to be added to 40mL of Normal Saline 0.9%. Stock strength available is Furosemide 20mg/2mL. How many mL.ofFurosemide will you need to add to the bag of Normal Saline?
- 7) An acutely ill patient is prescribed Hartmann's solution 1 litre via a volumetric pump to be infused at 150mL/hr. what is the volume of fluid in mL.remaining after 2.5hours?
- 8) Mrs Pat is prescribed 450mL of 5% Dextrose to run over 5.5hours using a volumetric pump. How many mL/hr will you set the pump to one decimal place?
- 9) Mr Chow is prescribed 450mL of 5% Dextrose to run over 5hours using an i.v infusion set that delivers 20 drops/mL. To the nearest whole number, how many drops/min will you need to set the infusion at?
- 10)A patient is prescribed Erythromycin 430mg in a solution of 100mL 0.9% Normal Saline to be infused over 1hour. What is the concentration of Erythromycin on mg/mL.?