

Drug Calculation Exam Practice (Adult) – Set 4

- 1) A patient is prescribed Morphine Sulphate slow release tablets 110mg b.d., stock available is 55mg. How many tablets will you give?
- 2) A patient is prescribed Tramadol 95mg t.d.s. What is the total amount of Tramadol expressed in **grams** that the patient will receive in a day?
- 3) The drug Amphotericin B is prescribed for a systemic fungal infection for patient X. The dose prescribed is 1.7mg/kg. Patient X weighs 78kg. What is the dose of Amphotericin B required in mg?
- 4) The chemotherapy drug Chlorambucil is prescribed daily at 80micrograms/kg/day. Patient A weighs 65 kg, what is the total amount of Chlorambucil that Patient A will receive?
- 5) Patient Q is prescribed Maxalon high dose 280mg to be added to 500mL Normal Saline 0.9% solution as an infusion to run over 12hours for severe nausea and vomiting. Stock available of Maxalon is 50mg/10mL. How much Maxalon in **mL**. will you need to add to the Normal Saline?
- 6) Patient Y is prescribed Furosemide 45mg i.v. to be added to 50mL of Normal Saline 0.9%. Stock available is Furosemide 50mg/5mL. How many **mL**. of Furosemide will you need to add to the bag of Normal Saline?
- 7) Mr Khan is prescribed $\frac{1}{2}$ L of Hartmann's solution to run over 3hours using a volumetric pump. How many mL. /hr will you set the pump to one decimal place?
- 8) Mrs. Khan has been prescribed 1 unit of whole blood 250mL to be infused over 3hours. Using a blood giving set that delivers 15 drops/mL. How many drops/min will you need to set the blood transfusion at to the nearest whole number?
- 9) A patient is prescribed Erythromycin 0.75g in a solution of 250mL of 0.9% Normal Saline to be infused over 1hour. What is the concentration of erythromycin in mg/mL.?
- 10) Adrenaline is available as $\frac{1}{2}$ in 500 ($\frac{1}{2}$ g in 500mL), what is the concentration in mg/mL?