

## Drug Calculation Exam Practice (Adult) – Set 3

- 1) A patient is prescribed Codeine Phosphate 0.036g q.d.s., stock strength available is 18mg. How many tablets will you give for 12 hours?
- 2) Patient A is prescribed Metronidazole 350mg t.d.s. What is the total amount of Metronidazole in **grams** that Patient A will receive in 24 hours?
- 3) A 82kg man is prescribed the antibiotic Cidomycin 5.5mg/kg/day i.v. Calculate the dose in mg of Cidomycin.
- 4) The drug Amphotericin B is prescribed for a systemic fungal infection for patient X. The dose prescribed is 1mg/kg/day Patient X weighs 83.5kg. What is the dose of Amphotericin B required in mg for half a day?
- 5) 350 micrograms of a drug is prescribed for i.m injection. Stock solution is 500 microgram in 2mL. How many **mL.** will you need to administer?
- 6) An acutely ill patient is prescribed Hartmann's solution 1 litre via a volumetric pump to be infused at 250mL/hr. what is the volume of fluid in **mL.** remaining after 1.5hours?
- 7) A 120mL bag of 0.9% Normal Saline with 500mg Vancomycin needs to be infused over 30 minutes via a volumetric pump. How many mL. /hr will you set the pump at?
- 8) Mrs Q is prescribed 1L of 5% Dextrose to run over 7 hours 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?
- 9) Patient A is prescribed 1g of Amoxicillin. Stock dose available is 300mg per vial to be reconstituted in 5mL of water. What is the final concentration in mg/mL. of amoxicillin?
- 10) Adrenaline is available as 10 in 100,000 (10g in 100,000mL), what is the concentration in mg/mL.?