Adult Branch Numeracy Examination for Year 2

- 1. Convert 360micrograms to milligrams.
- 2. Calcium resonium 15 grams is prescribed. Convert this to milligrams. X 1000
- 3. If 5 mL Simple Linctus contains 0.01mL of concentrated anise water.

 How much concentrated anise water would be in one litre?

 200 × 0.01 = 2 mL (×2 then more d.p. 2 please to right)
- 4. A patient is prescribed 40mg prednisolone. How many 5mg tablets should be given?
- 5. You need to give 1.5gram of robaxin. How many 500mg tablets should be given?
- 6. Amoxicillin 1500mg is to be given per day in 3 equally divided doses. Capsules are 250mg. How many capsules should be given at each dose?

 | Song per dose | Song per dose
- 7. If digoxin syrup is supplied as 50 micrograms per 1mL and the patient is prescribed 125 micrograms, what volume of syrup should be given?
- 8. Carbamazepine suspension 200mg is prescribed. It is available as 100 mg in 5 mL. What volume should be administered?
- 9. Syrup contains penicillin 125mg/5mL. How many mg of penicillin are in 15 mL?
 - $\frac{15}{5}$ × 125 = 125 (or) Sml = 125 mg $\frac{\times 3}{375}$ mg 15 ml = 275 mg

- 10.A patient is prescribed 1mg of bumetanide. If the syrup contains 200microgams/mL, what volume should be given?
- 11. A patient is prescribed 3mg of dexamethasone for injection. If the drug is available as 4mg per 1mL, what volume should be administered?
- 12. A patient is prescribed 750microgram benzatropine IM and ward stock contains benzatropine 1mg/mL. How much will you administer?
- 13. Naloxone HCl 100 microgram for opoid reversal is prescribed. It is available as 0.4 mg per mL. What volume should be administered?
- 14.Heparin is available as 25000units in 1mL and the patient requires 20000units. What volume is required? $\frac{20000}{2.5000} = \frac{1}{5} = 0.8mL$
- 15.A patient is prescribed Dalteparin (a Low Molecular Weight Heparin LMWH) 200units / kg for treatment of a DVT. The patient weighs 84 kg. What dose is required for this patient?
 - 200 484 8 \$ 20/3 16800 units
- 16.A patient is to receive 1000mL of normal saline IV over 6 hours.

 Calculate the rate in mL/hour.
- 17.1000mL is to be infused over 12 hours. If the giving set delivers 20 drops per mL, calculate the drip rate.
 - 18. A patient is to receive 1 unit of packed cells over 4 hours and the giving set for blood transfusions delivers 15 drops/mL. If 1 unit contains 250mL, calculate the drip rate.