Drug Calculation Exam Practice (Child) – Set A

1) Convert 15000 mcg to mg?

2) Convert 0.4 grams to mg

3) Betty has a chest infection. The doctor prescribes 120mg of amoxicillin. Amoxicillin is dispensed as 200mg in 4mL. How many ml do you give?

4) Sean has congenital adrenal hyperplasia and is prescribed 6500mcg of hydrocortisone. Hydrocortisone is dispensed as 200mg in 4mls. How many ml would you give?

5) Chow is pyrexial and needs anti-pyrexial drug. Paracetamol is prescribed at 12mg/kg. David weighs 9.8 kg. What is the dose required in mg?

6) Evon weighs 42 kg. She is prescribed cephalon 50mg/kg/day in four divided doses to control her epilepsy. What is the single dose in mg?

7) Ina is prescribed oral chloral hydrate 130 mg to sedate him following surgery. The drug is available as an elixir containing 160 mg in 4 mL. How many ml do you give? Give your answer to 2 decimal places.

8) Sam has a middle ear infection. The dose for prescribing co-amoxiclav is 35mg /kg/ dose. The doctor has prescribed 482mg of co-amoxiclav. What is Sam’s weight in kg?

9) You are checking a prescription with your mentor for Tammy who weighs 12kg. She is prescribed 20mg/kg/dose of benzylpenicillin intravenously 3 times a day. Each 500mg vial is reconstituted to 4mL. How many ml should be drawn up for each dose?

10) Peach has been bitten by a squirrel and has developed cellulitis. He is prescribed cephalexin. Cephalexin 1.2 gram is reconstituted with 4mL of water for injection to yield 0.6g/3.4mL. How many ml of the reconstituted mixture would need to be drawn up to give 280mg? Give your answer to 2 decimal places.