

Adult Nursing: Practice Questions 5

1. The doctor has ordered 350mg theophylline 12-hourly for Mr T, who has asthma. Tablets in stock are 175mg. How many tablets will you administer in a day?
2. Ursula has been prescribed 0.75mg digoxin per day in 2 divided doses. How many micrograms does she receive for each dose?
3. A cardiac patient has been prescribed an infusion of 2.5 micrograms/kg/min dopamine. He weighs 63kg. How many mcg of dopamine does he need each minute?
4. A female patient who weighs 65.5kg is prescribed the antibiotic cidomycin 6mg/kg/day IV in 3 divided doses. How many mg does she need for each dose?
5. Stock strength of Heparin available is 5000 units in 0.2mL. Patient V is prescribed Heparin 15,000 units sc. What volume should you draw up?
6. Mrs W is in acute pain and has been prescribed 80mg pethidine IM every 4 hours. Stock available is 100mg/2mL. If Mrs W has had 3 doses so far, what is the total volume of pethidine in mL she has received?
7. An elderly patient has COPD. He has been prescribed 100mg aminophylline to be added to 1 litre 0.9% saline and infused over 6 hours. At what rate in mL/hr will you set the pump? Give your answer to 1 d.p.
8. Patient X is prescribed 500mL of 5% Dextrose to run over 6 hours using a giving set with a drop factor of 20 drops/mL. To the nearest whole number, how many drops/min will you need to set the infusion at?
9. Patient Y is prescribed 500mcg terbutaline sulphate sc qds for asthma. Solution for injection in stock is 2.5mg/5mL. What is the concentration of terbutaline sulphate in mg/mL?
10. Patient Z requires 50mcg of adrenaline via slow IV injection. Dilute solution for injection 1 in 10000 ampoules of adrenaline are available. How many mL do you draw up?

### Answers

1. 4 tablets
2. 375micrograms
3. 157.5mg
4. 131mg
5. 0.6mL
6. 4.8mL
7. 166.6mL/hr
8. 28 drops/min
9. 0.5mg/mL
10. 0.5mL