2744 Practice Test #2

1. You are running an IV of 500 ml N/S without a pump. The tubing has a drop factor of 60gtts/ml. The physician orders the IV to infuse at 80 ml/hr. What is the flow rate you will set?

2. You are keeping the vein open with an IV flow rate of 30 ml/hr. How much will the patient get in 24 hrs.?

3. You hang 1000 ml of 5%D/W at 1500. You set the pump at 50 ml/hr. What time will the bag be empty?

4. You are to administer 60 mg of Dilantin mixed in 50 ml of N/S. The Dilantin is supplied as 100 mg/2 ml. How much will you add to the piggyback bag?

5. An IV medication is diluted in 50 ml and is to infuse over 40 min. You will run it on a pump. How will you set the pump?

6. A patient has the following IV medication/fluid on your 12 hour shift:
   - Vancomycin 750 mg in 300 ml N/S - piggyback over 90 min.
   - Levaquin 150 mg in 100 ml D5W - piggyback over 15 min.
   - IV D5RL at 80 ml/hr.
The pump doesn’t run these simultaneously. What is the IV intake for your shift?

7. You are to give 125 ml of 25% Albumin IV per gravity drip. The tubing has a drop factor of 15 gtts/ml. The infusion needs to run for 30 min. How many gtts/min will you set the drip?

8. The order is for Kefzol 0.5 gram in 50 ml D5W. The rate on the pump is 200 ml/hr. How long will the medication take to infuse?
9. Your patient is on a nitroglycerin drip with a concentration of 50 mg in 250 ml D5W. The order is to infuse at 6 mcg/min. What will the flow rate be on the pump?

10. The patient weighs 88.5 kg. He is to receive Dopamine at a rate of 3 mcg/kg/min. The concentration is 800 mg in 500 ml. What is the flow rate on the pump?

11. The lidocaine drip is infusing on a pump at 12 ml/hr. The solution is 1 gram in 250 ml D5W. How many mg/min is he receiving? The literature says you can't run lidocaine faster than 4 mg/min. Is this patient getting a safe dose?

12. The patient's heparin drip is running at 20 ml/hr. The concentration is 10,000 units in 250 ml D5W. How much heparin is the patient getting per hour? Is this within the therapeutic range?

13. The physician prescribes a cardizem drip at 8 mg/hr. The drug is mixed as 175 mg in 100 ml of N/S. How fast will you run it on the pump?

14. A PCA of Duramorph is ordered at a basal rate of 0.6 mg/hr. The concentration is 20 mg in 100 ml of N/S. How many mg of the basal dose will the patient receive on your 12-hour shift? How many ml's of fluid will he have received on your shift?

15. Infuse 3 mcg/kg/min of dopamine. It is mixed as 1000 mg in 500 ml of D5W. The patient weighs 243 pounds. What is the flowrate on the pump?