2744 Practice Med Test #3

1. You are running the following IV: 1000ml D5W without a pump. The tubing you have chosen is as follows:

   Basic IV Infusion Set
   20 gtts/ml

   The physician orders the IV to infuse at 75 ml/hr. What is the flow rate you will set? __________

2. You are keeping the vein open with an IV flow rate of 20ml/hr. How much fluid will the patient get in 16 hours? __________

3. You hang 1000ml D5RL at 0900. You set the pump for 40ml/hr. What time will the bag be empty? __________

4. You are to administer 80mg of Dilantin mixed in 100ml of NS. The Dilantin is supplied as 100mg/2ml. How much will you add to the piggyback bag? __________

5. An IV medication is diluted in 100ml and is to infuse in 20 min. You will run it on a volumetric pump. What setting will you run the pump? __________
6. A client has had the following IV medication and fluid on your 8-hour shift:
   Vancomycin 500mg in 250ml NS over 1 hour
   Levaquin 100mg in 50ml D5W over 1 hour
   IV D5RL at 125ml/hr
   The pump does run these solutions simultaneously. What is the IV intake for your shift?____________
   What if the pump did not run them simultaneously?___________

7. You are to give 100ml of 25% Albumin IV per gravity drip. The tubing has a drop factor of 60gtts/ml. The infusion needs to run for 1 hour. How many drops/min will you set the drip?___________

8. The order is written for Kefzol 1 Gram in 75ml D5W. The rate on the pump is 100ml/hr. How long will the medication take to complete?____________

9. Your patient is on a nitroglycerine drip with the concentration of 50mg in 500ml of D5W. Orders are to infuse at 8mcg/min. What will the flow rate be on The pump?____________________

10. A patient weighs 90 kg. He is to receive Dopamine at a rate of 7mcg/kg/min. The concentration is 400mg/250ml of solution. What is the flow rate on the Pump?____________________
11. The Lidocaine drip is infusing on a pump set at 15ml/hr. The solution is 2Gm/250ml D5W. How many mg/min is the patient receiving?__________

The literature says you cannot run Lidocaine faster than 4mg/min. Is the patient getting a safe dose?____________

12. You find the patient’s heparin drip running at a rate of 30ml/hr. The concentration is 20,000 units in 500ml of D5W. How much heparin is the patient getting per hour?__________

Is this dose therapeutic?__________________

13. The physician prescribes a continuous Cardizem drip at 10mg/hr. The cardizem is mixed as 125mg in 250ml of NS. How fast will you run it on a pump?______________

14. A PCA of Duramorph is ordered with a basal rate of 18mg/hr. The concentration is 10mg in 60ml of NS. How many mg’s of the basal dose will the patient receive on your 8-hour shift?_______________

15. How many ml’s of fluid will he have received on your shift? _____________________