

Semester 1 Practice Test (for students going into Semester 1)

(20 questions, Types 1, 2, 3, 4, 5, and 14)

Hint: converting lbs. -> kg. round to the nearest tenth

1. 500 mg of liquid Prostaphlin (Oxacillin) has been prescribed. 500 mg is contained in 10 mL. A measuring device marked in tsp is being used. 10mL is equivalent to how many tsp?
2. 0.45 g of Lithium must be prepared. Lithium is available in mg. How many mg of Lithium should be prepared?
3. $\frac{1}{4}$ gr of Codeine Phosphate must be prepared. Codeine Phosphate is available in mg. How many mg of Codeine Phosphate should be prepared?
4. 40 mg of liquid Acetaminophen has been prescribed. 40 mg is contained in 2.5 mL. A measuring device marked in tsp is being used. 2.5 mL is equivalent to how many tsp?
5. Folic Acid is available in mg. $\frac{1}{150}$ gr of Folic Acid must be prepared. How many mg of Folic Acid should be prepared?
6. An infant weighs 17 lbs. You determine that 17 lbs is equivalent to ___kg.
7. $\frac{1}{2}$ gr of Codeine Phosphate must be prepared. Codeine Phosphate is available in mg. How many mg of Codeine Phosphate should be prepared?
8. $5 \frac{1}{2}$ tsp of cough medicine has been prescribed. A measuring device marked in mL is being used. How many mL should be administered?

9. An adult weighs 144 lbs. You determine that 144 lbs is equivalent to ___kg.
10. A child weighs 25 lbs, 3 oz. You determine that 25 lbs, 3 oz is equivalent to ___kg.
11. 0.5 g of Vancocin (Vancomycin) must be prepared. The Vancocin is available in a vial of powdered drug containing 1 g. Directions accompanying the drug state: Add 20 mL of diluent to yield 50 mg in 1 mL. How many mL should you withdraw from the vial after reconstituting the drug as directed?
12. Aminophylline is available in 500 mg scored tablets. 250 mg has been prescribed po. You should administer ___ tablets.
13. You have available a 10 mL ampule of Hydroxyzine labeled 50 mg in 1 mL. 100 mg of Hydroxyzine must be prepared. How many mL of the drug should you prepare?
14. 250 mL of IV fluid contains 1.6 mg of Dopamine per mL. the solution was prepared by adding the Dopamine to D5W. How many mg of Dopamine are contained in the solution?
15. 1 g of ancobon (Flucytosine) has been prescribed. 500 mg of Ancobon is available in capsules. How many capsules should be administered?
16. 5 mg of New-Synephrine (Phenylephrine) has been added to D5W. The final solution has a volume of 250 mL. You realize that the IV solution contains____mg of New-Synephrine per mL.
17. 1,000 mg of liquid Amoxicillin has been prescribed po. How many mL should you administer if the Amoxicillin is available in a strength labeled 250 mg in 5 mL?

18. Liquid Vantin (Cefpodoxime) is available for PO use labeled 50 mg in 5 mL. 100 mg of Vantin has been prescribed. You should prepare ___mL of the drug for administration.

19. 18 mcg of DDAVP (Desmopressin Acetate) must be prepared. How many mL should be prepared using a 2 mL ampule labeled 15 meg in 1 mL?

20. An IV solution contains 0.5 g of Inocor (Amrinone Lactate). 0.5 g of Inocor is equivalent to how many mg?

ANSWER KEY

1. 2
2. 450
3. 15
4. 0.5
5. 0.4
6. 7.7
7. 30
8. 27.5
9. 65.5
10. 11.4
11. 10
12. 0.5
13. 2
14. 400
15. 2
16. 0.02
17. 20
18. 10
19. 1.2