



OAKLAND
COMMUNITY
COLLEGE

NAME _____

NURSING DEPARTMENT
MEDICATION CALCULATION PROFICIENCY
LEVEL II
PRACTICE TEST
2009-2010

DIRECTIONS:

- Directions:
1. READ CAREFULLY
 2. Put your name on the test booklet
 3. Show all your work on the test booklet
 4. Place your final answer in the answer box for each question with the correct label
 5. A basic calculator may be used.

1.	425 mg equals how many grams? <input data-bbox="235 275 505 409" type="text"/>
2.	1.5 ounces equals how many milliliters (ml)? <input data-bbox="246 556 509 695" type="text"/>
3.	1000 mcg equals how many milligrams (mg)? <input data-bbox="246 842 516 976" type="text"/>
4.	3 teaspoons equals how many milliliters (ml)? <input data-bbox="246 1100 493 1234" type="text"/>
5.	The physician orders heparin 5,000 units subcutaneously bid. Available to the nurse is heparin 10,000 units/ml. The nurse would administer how many ml's? <input data-bbox="246 1423 516 1558" type="text"/>

6.	<p>The physician order nortripyline (Pamelor) 125 mg po daily. Available to the nurse is Pamelor 10mg/5 ml. The nurse would administer how many ml's?</p> <div data-bbox="245 323 516 464" style="border: 1px solid black; height: 67px; width: 167px; margin: 10px auto;"></div>
7.	<p>The physician orders silenafil (Viagra) 75 mg po daily, Available to the nurse is Viagra 25 mg/tablet. The nurse would administer how many tablets?</p> <div data-bbox="245 653 516 800" style="border: 1px solid black; height: 70px; width: 167px; margin: 10px auto;"></div>
8.	<p>The physician orders amlodipine (Norvasc) 5 mg po daily. Available to the nurse is Norvasc 2.5 mg/tablet. The nurse would administer how many tablets?</p> <div data-bbox="256 1024 526 1171" style="border: 1px solid black; height: 70px; width: 166px; margin: 10px auto;"></div>
9.	<p>The order is for furoseimide (Lasix) 10 mg IV push stat. Available to the nurse is a 10 ml vial labeled Lasix 5 mg/ml. The nurse would administer how many ml's?</p> <div data-bbox="271 1335 540 1482" style="border: 1px solid black; height: 70px; width: 166px; margin: 10px auto;"></div>
10.	<p>The order is for digoxin 0.5 mg po daily. Available to the nurse is digoxin 500 mcg /tablet. The nurse would administer how many tablets?</p> <div data-bbox="237 1644 506 1791" style="border: 1px solid black; height: 70px; width: 166px; margin: 10px auto;"></div>

11.	<p>The physician order s fluconazole (Diflucan) 0.4 grams po daily. Available to the nurse is Diflucan 100 mg/tablet. The nurse would administer how many tablets?</p> <div data-bbox="245 323 516 464" style="border: 1px solid black; height: 67px; width: 167px; margin: 10px 0;"></div>
12.	<p>The physician orders moxicillin250 mg po daily. Available to the nurse is amoxicillin 500 mg/10 ml. The nurse would administer how many teaspoons?</p> <div data-bbox="245 651 516 791" style="border: 1px solid black; height: 67px; width: 167px; margin: 10px 0;"></div>
13.	<p>The IV order is for 1000 ml D5W every 12 hours. The IV tubing delivers 10gtt/ml. The rate of the infusion will be how many ml/hr?</p> <div data-bbox="256 1022 527 1163" style="border: 1px solid black; height: 67px; width: 167px; margin: 10px 0;"></div>
14.	<p>The order is for 500 ml D5W to infuse over 5 hours. The IV tubing delivers 15gtts/ml. The rate of the infusion will be how many gtts/min?</p> <div data-bbox="269 1335 540 1476" style="border: 1px solid black; height: 67px; width: 167px; margin: 10px 0;"></div>
15.	<p>The order is for erythromycin 1 gram IVPB every 6 hours. Available to the nurse is 250 ml NS with 1000 mg of erythromycin with instructs to infuse over 1 hour. The IV is placed on an infusion pump. The IV delivers 10 gtts/ml. The rate of the infusion will be how many gtts/min?</p> <div data-bbox="237 1705 508 1845" style="border: 1px solid black; height: 67px; width: 167px; margin: 10px 0;"></div>

16.	<p>The order is for famotidine (Pepcid) 20 mg IV push is ordered. Available to the nurse is Pepcid 20 mg/2ml. The medication must be diluted in 8 ml of NS. Instructions state to infusion no more than 10mg/min. How many minutes will it take the nurse to infuse this medication?</p> <div data-bbox="245 352 516 499" style="border: 1px solid black; height: 70px; width: 167px;"></div>
17.	<p>The order is for gentamicin 50 mg IVPB every 8 hours. Available to the nurse is 100 ml of D5W with 50 mg of gentamicin with instructions to infuse over 90 minutes. The IVPB is placed on an infusion pump. The nurse would the rate on the infusion pump at how many ml/hr?</p> <div data-bbox="245 793 516 961" style="border: 1px solid black; height: 80px; width: 167px;"></div>
18.	<p>The order is for cefprozil (Cefzil) 2 grams IVPB is ordered every 8 hrs. Available to the nurse is 100 ml NS with 2 grams of Cefzil) with instructions to infuse over 0.25 hr. The IV tubing delivers 10 gtts/ml. The rate of the infusion will be how many gtts/min?</p> <div data-bbox="256 1203 527 1350" style="border: 1px solid black; height: 70px; width: 167px;"></div>
19.	<p>The order is for ampicillin 1 gram IVPB every 8 hours. Available to the nurse is 50 ml of .9 NS with 1 gram of ampicillin with instructions to infuse over 30 mins. The IV tubing delivers 10 gtts/min. The IVPB is placed on an infusion pump. The rate of the infusion will be how many ml/hr?</p> <div data-bbox="269 1623 540 1770" style="border: 1px solid black; height: 70px; width: 167px;"></div>

20.	<p>The order is for 3000 ml of TPN every 24 hours. The IV tubing delivers 10 gtt/ml. The IV is placed on an infusion pump. The rate of the infusion will be how many ml/hr?</p> <div data-bbox="235 294 503 441" style="border: 1px solid black; height: 70px; width: 165px; margin: 10px 0;"></div>
-----	--

ANSWER KEY

ANSWERS LEVEL 2 PRACTICE TEST

0.425 g

45 ml

1 mg

15 ml

0.5 ml

62.5 ml

3 tablets

2 tablets

2 ml

1 tablet

4 tablets

1 teaspoon

83.33 ml or 83 ml

25 gtts/min

41.66 gtts/min or 42 gtts/min

2 minutes

66.66 ml/hr or 67 ml/hr

66.66 gtts/min or 67 gtts/min

100 ml/hr

125 ml/hr