

MEDICATION CALCULATION EXAM 2020

Name: _____

Date: 1/24/2020

1. Physician orders Hydralazine 50mg p.o. Available is 100mg of Hydralazine tabs (scored).

How many tablets will you administer?

$$\frac{50 \text{ mg}}{100 \text{ mg}} = 0.5 \text{ tab/dose}$$

2. Physician orders 40mEq of KCL (Potassium Chloride). Available is 10mEq per 5mL.

How many mL will the nurse administer?

$$\frac{40 \text{ mEq}}{10 \text{ mEq}} \times 5 \text{ mL} = 20 \text{ mL/dose}$$

3. Physician orders 0.5g of Clindamycin. Available is 250mg capsule. How many capsule(s) will the nurse administer?

$$\frac{500 \text{ mg}}{250 \text{ mg}} = 2 \text{ caps/dose}$$

4. Physician has ordered to administer Gentamycin 4mg/kg/day IM in 4 equal doses to a client that weight's 140 pounds. Available is Gentamycin 40mg/mL. How much mL will the nurse administer?

$$\text{Ordered: } 64 \text{ mg/dose} \times \frac{1 \text{ mL}}{40 \text{ mg}} = 1.6 \text{ mL/dose}$$

* 5. Physician has ordered cefazolin 300mg IM every 8 hours. Available is Cefazolin injection 330mg/mL. How many mL will the nurse administer?

$$\frac{300 \text{ mg}}{330 \text{ mg}} \times \frac{1 \text{ mL}}{0.9 \text{ mL/dose}} = 0.9 \text{ mL/dose}$$

6. Physician orders to administer Protonix 60mg via IV bolus every 4hours. Available is Protonix 120mg in 100mL NSS (Normal Saline Solution) to infuse over 30 minutes. The nurse should set the infusion pump to deliver how many mL/hr?

$$\frac{50 \text{ mL}}{0.5 \text{ hrs}} = 100 \text{ mL/hr}$$