

# *Mercer County Community College*

## *Division of Health Professions*

### *Nursing Program*

#### Summer Medication Calculation Practice #1

Round the following numbers to the nearest tenth:

1. 6.237 \_\_\_\_\_
2. 3.47 \_\_\_\_\_
3. 8.91 \_\_\_\_\_
4. 5.32 \_\_\_\_\_
5. 2.77 \_\_\_\_\_

Convert the following:

6. 1.2 mg = \_\_\_\_\_ mcg
7. 3 g = \_\_\_\_\_ mg
8. 1800 mcg = \_\_\_\_\_ mg
9. 4000 mg = \_\_\_\_\_ g
10. 165 lb = \_\_\_\_\_ kg

Perform the following infusion calculations:

11. Order: Infuse 1 L of 0.9%NSS over 8 hours using a 15 gtt/ml drip set. How many drops per minute should the nurse set the infusion rate?

Answer: \_\_\_\_\_

12. Order: Infuse 100 mL of antibiotic over 120 minutes using a 60 gtt/mL drip set. How many drops per minute should the nurse set the infusion rate?

Answer: \_\_\_\_\_

13. Order: Infuse D5/0.45%NSS at rate of 83 ml/hr. How long will it take to infuse 1 L (round to the nearest hour)?

Answer: \_\_\_\_\_

14. Order: Administer 30 mL/kg over 2 hours. Patient weighs 220 lbs. How many mL/hr should the nurse set the infusion pump?

Answer: \_\_\_\_\_

Calculate the correct amount to administer:

15. Order: digoxin 0.25 mg PO daily

NDC 0527-1324-01

**Lannett**

**DIGOX<sup>®</sup>**  
(digoxin tablets, USP)

**125 mcg (0.125 mg)**

**R<sub>x</sub> ONLY**

**100 TABLETS**

Store at controlled room temperature 15°-25°C (59°-77°F) in a dry place and protect from light. Dispense in a tight, light-resistant container as defined in the USP.

Rev. 11/09

**Dosage:** For complete prescribing information see Insert.

Keep this and all medication out of reach of children.

MFD FOR: LANNETT CO. INC.  
PHILADELPHIA, PA 19136

MFD BY: JEROME STEVENS PHARMACEUTICALS, INC.  
BOHEMIA, NY 11716

Made in the USA

Exp. Date:  
LOT No.:

3 0527-1324-01 6

Tablets prepared for administration: \_\_\_\_\_

16. Order: furosemide 60 mg PO daily

**USUAL DOSAGE:** See Package Insert for Complete Prescribing Information.

Store at 20° to 25°C (68° to 77°F). [See USP Controlled Room Temperature.]

Protect from Moisture.  
**PROTECT FROM LIGHT.**

Dispense in a tight, light-resistant, child-resistant container as defined in the USP/NF.

Distr. by: **West-Ward Pharmaceuticals Corp.**  
Eatontown, NJ 07724

NDC 0054-4297-25 100 Tablets

**Furosemide Tablets USP**

**20 mg**

Each tablet contains 20 mg furosemide USP.

**R<sub>x</sub> only**

**WEST-WARD**  
A HIKMA COMPANY

5 054-4297-25 7

4166901//04

Tablets prepared for administration: \_\_\_\_\_

17. Order: lisinopril 10 mg PO daily

NDC 0781-1667-92

# Lisinopril Tablets, USP

**20 mg\***

Rx only  
90 Tablets



\*Each tablet contains: Lisinopril dihydrate equivalent to 20 mg lisinopril.  
**Usual Dosage:** See accompanying prescribing information for complete details.  
Dispense in a tight container as defined in the USP. Protect from moisture, freezing and excessive heat. Store at 20°-25°C (68°-77°F) (see USP Controlled Room Temperature). **KEEP THIS AND ALL DRUGS OUT OF THE REACH OF CHILDREN.**  
Sandoz Inc., Princeton, NJ 08540

03-2010M



N 0781-1667-92 8

Tablets prepared for administration: \_\_\_\_\_

18. Order: Diluadid 1 mg IM

Lot: \_\_\_\_\_  
Exp.: \_\_\_\_\_

NDC 0641-0121-25

# Hydromorphone HCl Injection, USP

**2 mg/mL**

FOR SUBCUTANEOUS, INTRAMUSCULAR OR SLOW INTRAVENOUS USE

25 x 1 mL Vials

PROTECT FROM LIGHT  
DO NOT USE IF PRECIPITATED



Rx only

Each mL contains hydromorphone hydrochloride 2 mg, edetate disodium 0.5 mg, methylparaben 1.5 mg and propylparaben 0.2 mg in Water for Injection, pH 3.5-5.5; sodium hydroxide and/or hydrochloric acid added, if needed, for pH adjustment.  
**Usual Dosage:** See package insert.  
Store at 20°-25°C (68°-77°F) (See USP Controlled Room Temperature).  
Manufactured by:  
**WEST-WARD**  
Eatontown, NJ 07724 USA 482-256-01



(07) 0641-0121-25

Amount prepared for injection: \_\_\_\_\_

19. Order: Ceftriaxone 0.5 gIM

NDC 10019-098-71

**Ceftriaxone  
for Injection USP**

**1 g**

**For I.M. or I.V. Use  
Rx only Single Use Vial**

Each vial contains sterile ceftriaxone sodium USP equivalent to ceftriaxone 1 g  
Mfd. for Amerinet Choice  
by Lupin Limited  
Mumbai 400 098 INDIA

**For I.M. Administration:** Reconstitute with 2.1 mL 1% Lidocaine Hydrochloride Injection (USP) or Sterile Water for Injection (USP). Each 1 mL of solution contains approximately 350 mg equivalent of ceftriaxone.

**For I.V. Administration:** See package insert.

**USUAL DOSAGE:** See package insert.

**Storage Prior to Reconstitution:**  
Store powder at 20°-25°C (68°-77°F)  
[See USP Controlled Room Temperature].

**Storage After Reconstitution:** See package insert.

**PROTECT FROM LIGHT**

Code No. MP/DRUGS/28/18/88  
460-592-00

(01)00310019098715

207113

Lot No.:  
Exp.:

Amount prepared for injection: \_\_\_\_\_ (round to the nearest tenth)

20. Order: ketorolac 15 mg IM

**30 mg**

NDC 0069-0087-05

1 mL Single-Dose Vial

**ketorolac tromethamine  
injection USP**

30 mg/mL

**For IM or IV Use Only**

**Sterile Rx only**

**Storage:** Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature].

**Protect from light.**

MADE IN INDIA

1015300

Code No.: KR/DRUGS/KTK/28/384/2009

Lot:

Exp.:

2967

(01)00300690087054

Distributed by Pfizer Labs  
Division of Pfizer Inc  
New York, NY 10017

Amount prepared for injection: \_\_\_\_\_