



(PHAR 632) – spring 2014,

Name

ID

Team

1) If the specific gravity of a cream is 1.4, what would be an appropriate jar size to fill 40 grams of this cream?

- a) 1/2 fluid ounce
- b) 1 fluid ounce
- c) 2 fluid ounces
- d) 30 fluid ounces

2) 15% zinc oxide paste by default,

- a) has 15 grams zinc oxide in 99 grams paste
- b) has 15 mL zinc oxide in 100 mL paste
- c) has 15 grams zinc oxide in 100 grams total paste
- d) has 15 grams zinc oxide in 100 mL total paste

3) The following signa :(2 tsp qid) means

- a) 2 teaspoonful 4 times a day
- b) 2 teaspoonful every 8 hours
- c) 2 tablespoonful 4 times a day
- d) 2 teaspoonful 2 times a day

RX
Penicillin V tablets 250 mg
Signa 0.5 g q6h for 10 days

4) How many tablets should the pharmacist dispense of the 250 mg Penicillin V tablets as a 10 days supply for the patient based on the above prescription?

- a) 20
- b) 40
- c) 80
- d) 120

5) Pediatric Digoxin dose based on age and weight

Age	µg/kg
Premature	15- 25
Full term	20-30
1- 24 months	30-50
2-5 years	25-35
5- 10 years	15-30
Over 10 years	8-12

An appropriate digoxin dose for a 30 month old child who weighs 22 lb is

(The following 2 questions are related to the following solution)

If 100 mg of drug A is diluted into 100 mL solution

6) What is the ratio strength?

- | | |
|----------|------------|
| a) 1/1 | d) 1/1000 |
| b) 1/10 | e) 1/10000 |
| c) 1/100 | |

7) How many micrograms will be in 20 μ L of the above solution

- | | |
|----------------|----------------|
| a) 0.2 μ g | c) 20 μ g |
| b) 2 μ g | d) 200 μ g |

8) If the required accuracy is 99% and the SR of the used torsion balance is 6 mg, the MWQ =

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9) LMQ for 1500 mL cylinder is

10) Estimate the answer

20211 grams of cream is use to fill 99 cream vials how many grams each vial contain?

11) Calculate the BSA of a patient who is 160 cm and 55 lb

12) The accepted tolerance based on the number of significant figures of 2.50×10^3

Is $2.50 \times 10^3 \pm$

13) Rx

Hydrocortisone 0.1 %

Hydrophilic Ointment qs ad 10 g

Dispense 25 grams

How many milligrams of hydrocortisone are needed to compound the above prescription?

14) To prepare an isotonic solution of 100 ml of 0.5 % Atropine sulfate (E = 0.13)

You can addgrams of NaCl

15) How many grams of NaCl are needed to compound 150 mL of the following prescription

Rx

Drug A (E= 0.2)

1 gram

NaCl

QS

Sterile water for injection QS

30 mL

Dispense isotonic solution 150 mL

16) The usual dose of a drug is 35 mg/kg/day divided into 4 equal doses. How many milligrams of the drug should a 100 kg patient administer/ one dose?

17) Express the concentration of a solution with percentage strength of 10% w/v and a specific gravity of 1.2 in a percentage w/w

18) How much of 1:100 trituration of a drug should be used by a compounding pharmacist in preparing 30 capsules each has 10 micrograms of the drug