

UNIVERSITY OF SWAZILAND
FACULTY OF HEALTH SCIENCES
GENERAL NURSING DEPARTMENT

NUR203

SUPPLEMENTARY EXAMINATION, JULY, 2007

COURSE TITLE: PHARMACOLOGY
COURSE CODE: NUR 203
TIME: 2 HOURS
MARKS: 75
EXAMINER: DR. PRISCILLA DLAMINI

INSTRUCTIONS:

- 1. Section A (calculations) is compulsory**
- 2. Answer five questions of your choice from section B**
- 3. Each point is allocated $\frac{1}{2}$ a mark or a fact and $\frac{1}{2}$ for a rationale**
- 4. Answer all questions on the provided answer sheet**

DO NOT USE A CALCULATOR FOR SECTION A!!!!!!!!!!

DO NOT OPEN THE PAPER UNTIL YOU ARE TOLD TO DO SO!!

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SECTION A

CALCULATIONS (DO NOT USE A CALCULATOR)

QUESTION ONE

a) The doctor ordered 1000ml to infuse over 6 hours. How many gtt./min will you give when the drop factor is 15? (3)

b) The doctor ordered 500ml to infuse over 8 hours by a microdrip. How many gtt./min would you give? (3)

c) You have 500ml of 0.45% normal saline to infuse over 4 hours. The drop factor is 13. How many gtt./min would you give? (3)

d) The doctor ordered Penicillin G 300 000 units I.M. You have a multidose vial containing 1 million units and the following directions

<u>Milliliters of diluent added</u>	<u>Units per milliliter</u>
19.6	50 000
9.7	100 000
3.6	250 000
1.6	500 000

i) Diluent will you make? Give your rationale (3)

ii) How many ml will you give? (2)

e) Dilute a vial containing 500 000 U of penicillin so that each ml contain 50 000 U.

How much distilled water will you need to add into the vial to get 50 000 U./ml? (5)

f) Available is DPH syrup 100mg./5ml as the average adult dose. Using Young's Rule calculate the dose for a 4 year old child. (5)

Total 25

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SECTION B

QUESTION 1

Describe the factors that influence drug absorption (10)

Question 2

Describe the [prescription of drugs (8)
Explain the two orders that can be given without a prescription (2)

Question 3

Discuss the nursing implications when a patient is receiving amphetamines (10)

Question 4

Discuss heparin under the following:

- a) Action (2)
- b) Therapeutic uses (5)
- c) Pharmacokinetics (3)

Question 5

Discuss the nursing considerations and patient teaching for isoniazid (10)

Question 6

Discuss sulfonamides under the following headings

- a) Action (5)
- b) Contra-indications (5)