

Original

Index No:.....



UNIVERSITY OF RUHUNA – FACULTY OF ALLIED HEALTH SCIENCES

DEPARTMENT OF PHARMACY

FOURTH BPHARM PART II EXAMINATION - SEPTEMBER 2023

PH4233 HOSPITAL PHARMACY – SEQ PAPER

TIME: TWO HOURS

INSTRUCTIONS

- There are **four** questions in this SEQ paper.
- Answer all questions.
- No paper should be removed from the examination hall.
- Do not use any correction fluid.
- Use illustrations where necessary.

1.

1.1. Assume that you are the senior pharmacist in a community pharmacy.

1.1.1. Following the disability analysis, briefly explain five necessary measurements that need to be taken when selecting an appropriate wheelchair for an elderly disabled patient.

(25 marks)

1.1.2. List the essential information that you would provide in counselling about proper use of an axillary cane to a patient whose left leg is injured.

(20 marks)

1.1.3. A sales representative intends to introduce adjustable toilet seats for sale at your pharmacy. State four factors that you need to consider before purchasing them to your store.

(10 marks)

1.2. Write short notes on the following.

1.2.1. Bentiromide

(15 marks)

1.2.2. Ovulation test strips

(15 marks)

1.3. State five factors that need to be considered before ordering a diagnostic agent.

(15 marks)

2.

2.1.

2.1.1. Define the term “isotonic solutions”.

(10 marks)

2.1.2. Calculate the amount of boric acid (in grams) need to compound the following isotonic preparation.

Physostigmine sulfate	0.4g
Chlorobutanol	0.3g
Boric acid	q.s.

Purified water up to	80 ml
E value for Physostigmine sulfate	0.18
E value for Chlorobutanol	0.35
E value for Boric acid	0.50

0.9% w/v sodium chloride is considered as isotonic with body fluids.

(30 marks)

2.2.

2.2.1. The in-house manufacturing process of sterile pharmaceuticals within the hospital is a new advancement in the hospital sector. Briefly explain the sterile manufacturing procedure of IV solutions. (40 marks)

2.2.2. Mention three advantages of hospital manufacturing. (10 marks)

2.3. State five information that should be mentioned in a label of a repacked medicine. (10 marks)

3.

3.1. Write two main objectives of estimating medicine requirements in a hospital setup. (10 marks)

3.2. List the steps of the hospital pharmacy budgeting process. (35 marks)

3.3. Name three institutes that assist in medicine management and supply in Sri Lanka. (15 marks)

3.4. Write short notes on the following.

3.4.1. Total cost of pharmaceutical purchasing (20 marks)

3.4.2. Competitive negotiation (20 marks)

4.

4.1. Inventory control involves managing inventory to meet customer demand. Mention the three techniques used in inventory control in the pharmacy. (15 marks)

4.2. Briefly explain the procedure of recalling medicines after distribution in Sri Lanka. (35 marks)

4.3.

4.3.1. Name two medicines available in the emergency trolley in an accident and emergency department of a hospital. (10 marks)

4.3.2. Mention two medication-related services provided by the pharmacist in the accident and emergency pharmacy. (10 marks)

4.3.3. Briefly explain the pharmacist's involvement in toxicologic emergencies. (30 marks)

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