



UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE

ALLIED HEALTH SCIENCES DEGREE PROGRAMME

THIRD BPHARM PART I EXAMINATION – JUNE/JULY 2017

PH 3134 HOSPITAL AND CLINICAL PHARMACY (SEQ)

TIME: THREE HOURS

INSTRUCTIONS

- Answer **all** questions in the given booklets.
- No paper should be removed from the examination hall.
- Do not use any correction fluid.
- Use illustrations where necessary.

1.

- 1.1. State **five** barriers to implementation of clinical pharmacy services in Sri Lanka. *(15 marks)*
- 1.2. Briefly describe the steps in the delivery of pharmaceutical care. *(30 marks)*
- 1.3. Briefly describe the process of medication reconciliation. *(25 marks)*
- 1.4. Assume that you are a clinical pharmacist recruited in a private hospital. Using your knowledge on evidence based medicine, briefly describe the steps to be undertaken to decide on selecting a medication to treat Mrs SH.

Mrs SH is a 73 years-old female with a recent stroke,

Main intervention	clopidogrel	
Comparison treatment	aspirin	
Clinical outcome	reduce mortality	<i>(30 marks)</i>

2.

- 2.1. Define the term “Drug-Drug Interactions” (DDIs). *(10 marks)*
- 2.2. Explain the reason why the elderly are more susceptible to DDIs. *(20 marks)*
- 2.3. Assume that you are a clinical pharmacist. A child in your ward suddenly complaint on drowsiness, lethargy, ataxia, vomiting, and nystagmus. While checking his medication list, you found out that he has been treated with carbamazepine and erythromycin.
 - 2.3.1. Explain the pharmacological basis of the complaints made by the child. *(15 marks)*
 - 2.3.2. State your suggestion to overcome the basis of complaints mentioned in 2.3.1 above. *(05 marks)*
- 2.4. List **two** reasons for establishment of “poison information centers”. *(10 marks)*
- 2.5. List **five** information that inquirer should inform when reporting to poison information centers. *(15 marks)*
- 2.6. Briefly describe the “care plan” for a patient who inhaled poisons. *(25 marks)*

3. 3.1. Define the term "hospital pharmacy". (10 marks)
- 3.2. Illustrate the organizational structure of hospital pharmacy in Sri Lanka. (20 marks)
- 3.3. Describe briefly **five** responsibilities of a hospital pharmacist. (40 marks)
- 3.4. Explain the duties of outdoor pharmacist in **central dispensing area**. (30 marks)
- 4.
- 4.1. Name **five** oxygen delivery devices. (20 marks)
- 4.2. What is the use of "pap smear test kit"? (10 marks)
- 4.3. Mention **four** indications of using nasogastric tubes. (20 marks)
- 4.4. Describe the ordering and receiving process of surgical supplies. (50 marks)
- 5.
- 5.1. What is the role of Medical Supplies Division (MSD) in drug distribution? (10 marks)
- 5.2. Draw the management cycle of pharmaceuticals in the government sector representing centralized MSD. (30 marks)
- 5.3. Write **four** types of waste disposal methods. (20 marks)
- 5.4. Briefly explain **one** method mentioned in 5.3 above. (20 marks)
- 5.5. Write **four** types of waste that should not be incinerated. (20 marks)
- 6.
- 6.1. What are the **two** main types of Laminar Flow Cabinets? (10 marks)
- 6.2. Explain features of **one** of the Laminar Flow Cabinet type mentioned in 6.1. (20 marks)
- 6.3. Briefly describe the features of a sterile compounding area. (25 marks)
- 6.4. Briefly explain steps that you would take in the preparation and dispensing of IV admixtures. (25 marks)
- 6.5. Write **five** useful techniques that can be practiced ensuring quality in dispensing? (20 marks)

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