



UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE
ALLIED HEALTH SCIENCES DEGREE PROGRAMME
THIRD BPHARM PART I EXAMINATION - JANUARY 2017
PH 3134 HOSPITAL AND CLINICAL PHARMACY (SEO)

TIME: THREE HOURS

INSTRUCTIONS

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

1.

- 1.1 What is a Drug and Therapeutic Committee (DTC)? (10 marks)
- 1.2 What is the goal of the above committee? (10 marks)
- 1.3 Write **five** functions of above committee. (25 marks)
- 1.4 Write **three** functions of “Poison Information Centre”. (15 marks)
- 1.5 What is the difference between “substance/product record” and “communication record”? (10 marks)
- 1.6 Design a recording sheet for “Drug Information Centre”. (30 marks)

2.

- 2.1 Write **five** features of good distribution system. (25 marks)
- 2.2 Write **three** products which require aseptic dispensing. (15 marks)
- 2.3 Write **five** facilities required for an “aseptic dispensing service unit”. (15 marks)
- 2.4 Write down the steps involved in dispensing a prescription. (25 marks)
- 2.5 Write **five** useful techniques that can be practice to ensure quality dispensing? (20 marks)

3. “Good pharmacy practice (GPP) requires that the core of the pharmacy activity is to help patients make the best use of medicines”.

- 3.1 Define GPP. (10 marks)
- 3.2 Mention the roles of pharmacist in GPP. (20 marks)
- 3.3 What are the functions of pharmacists in providing effective medication therapy management? (20 marks)
- 3.4 Explain how pharmacist should manage patient medication therapy, using four main points. (40 marks)
- 3.5 Briefly explain GPP standards for labelling. (10 marks)

4. "The basis for the regulation of controlled substances is to control addiction, abuse, physical and mental harm of those who have used these substances".
- 4.1
- 4.1.1 List categories of controlled substances, giving an example for each? **(10 marks)**
- 4.1.2 List them based on the potential for abuse. **(05 marks)**
- 4.2 What specific storage conditions should be maintained for controlled substances? **(30 marks)**
- 4.3. List **three** and **three** forms, those should be maintained in the management of controlled substances. **(25 marks)**
- 4.4. What information should be contained in the controlled substances inventory? **(30 marks)**
- 5.
- 5.1 Define "Clinical Pharmacy". **(10 marks)**
- 5.2 Briefly describe the pharmaceutical care elements. **(20 marks)**
- 5.3 Describe the importance of obtaining an accurate medication history. **(20 marks)**
- 5.4 Develop a checklist to obtain the medication history. **(20 marks)**
- 5.5 Define "medication reconciliation" **(10 marks)**
- 5.6 A 77 year-old man admitted with severe dyspnea and pitting bilateral pedal oedema progressively worse over last 5 days. He can only sleep when sitting up. He has red suppurating left leg ulcer, treated by a general practitioner. His weight is 77 kg and height is 167 cm.

On examination	Medical and surgical history
Elevated Jugular Vein Pressure (JVP), pitting pedal oedema, hepatomegaly, bilateral basal crackles	Chronic heart failure
HR 95 bpm, irregularly irregular	STEMI 5 years ago, treated with thrombolysis
BP 115/65 mmHg	IHD, heartburn, gout
RR 20 breaths/min	Appendectomy in 1985

Medication at home

Furosemide	40 mg	mane
Enalapril	10 mg	bd
Carvedilol	6.25 mg	bd
Aspirin	150 mg	mane
Atorvastatin	20 mg	nocte
Allopurinol	150 mg	mane
Omeprazole	20 mg	mane
Amoxicillin	250 mg	tds
Ibuprofen	400 mg	tds for leg pain

Nil known allergies, Nil smoking, Nil alcohol

Match the medications with the diagnosis.

(20 marks)

6.

- 6.1 Define the drug utilization evaluation (DUE) programme. *(10 marks)*
- 6.2 Briefly describe the involvement of clinical pharmacist in DUE programme to ensure the quality use of medicines in the hospital. *(20 marks)*
- 6.3 Write short notes on:
 - 6.3.1 Evidence based medicine *(25 marks)*
 - 6.3.2 Need of drug information *(25 marks)*
- 6.4 Assume that you are a clinical pharmacist in Karapitiya General (Teaching) hospital and you came across a patient (Ms.MD) who has salbutamol Metered Dose Inhaler (MDI) device in her discharge prescription. How do you counsel her? *(20 marks)*

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