



UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE

ALLIED HEALTH SCIENCES DEGREE PROGRAMME

THIRD B PHARM PART I EXAMINATION- DECEMBER 2013

PH 3134: HOSPITAL AND CLINICAL PHARMACY I (SEQ)

TIME: 9.00 a.m.- 12.00 noon

INSTRUCTIONS

- Answer all questions.
- No paper should be removed from the examination hall.
- Do not use any correction fluid.

1.

- 1.1 What is meant by 'Central Sterile Supplies Division' (10 marks)
- 1.2 List **five** advantages and the **five** basic divisions of central sterile supplies division (30 marks)
- 1.3 Explain briefly the needs of the step 'Cleaning' in sterile supply cycle. (30 marks)
- 1.4 Discuss the procedure that a pharmacist needs to follow when dealing with cytotoxic spills. (30 marks)

2.

- 2.1 What are the advantages of individual prescription order system? (20 marks)
- 2.2 Name **two** methods of dispensing non charge floor stock drugs. (20 marks)
- 2.3 Explain briefly the **two** methods mentioned above in 2.2. (30 marks)
- 2.4 Discuss briefly the general and patient care responsibilities of a hospital pharmacist (30 marks)

3. Briefly explain the followings;

- 3.1 Non- absorbable sutures. (25 marks)
- 3.2 Types and uses of medical gases. (25 marks)
- 3.3 Sterile compounding area for parenteral preparations. (25 marks)
- 3.4 Drug storage and dispensing system in wards. (25 marks)

- 4.
- 4.1 List **five** major scopes of new dimensions in pharmacy practice. (25 marks)
 - 4.2 Explain the reason why '*Evidence-based pharmacy*' is more advantageous than conventional pharmacy practice. (30 marks)
 - 4.3 List **five** main resources required to practice pharmaceutical care. (25 marks)
 - 4.4 State **two** main areas of activities of a clinical pharmacist to promote the correct and appropriate usage of medicines. (20 marks)

- 5.
- 5.1 List the major purposes of therapeutic drug monitoring. (30 marks)
 - 5.2 Mr. G, a 60 year old hypertensive patient (weight 68 kg, height 5 feet and 8 inches) has been prescribed captopril. He was also suspected to have impaired renal function. His serum creatinine level was 2.3 mg/dl. The physician asked the clinical pharmacist what should be the initial dose of captopril for Mr.G.

Note:
The British National Formulary (BNF) states that reduced doses of captopril to be used and the maximum initial dose of 25 mg daily (do not exceed 100 mg daily) if creatinine clearance 20–40 mL/minute.

- 5.2.1 Calculate the ideal body weight of Mr. G (20 marks)
- 5.2.2 Calculate the creatinine clearance of Mr. G (30 marks)
- 5.2.3 What will be the initial daily dose of captopril for Mr. G as per BNF? (20 marks)

- 6.
- 6.1 Describe briefly on "Minimum standards needed for a Hospital Pharmacy" (50 marks)
 - 6.2 Write short notes on
 - 6.2.1 Formulary manual. (30 marks)
 - 6.2.2 Drug information centre. (20 marks)