



UNIVERSITY OF RUHUNA – FACULTY OF ALLIED HEALTH SCIENCES

DEPARTMENT OF PHARMACY

FOURTH BPHARM PART II EXAMINATION – JUNE 2018

PH 4233 HOSPITAL PHARMACY (SEQ)

TIME: TWO HOURS

INSTRUCTIONS

- There are four (04) questions in Parts A and B of the SEQ paper.
- Answer **each** part in separate booklet provided.
- No paper should be removed from the examination hall.
- Do not use any correction fluid.
- Use illustrations where necessary.

PART A

01.

- 1.1 Write **five** approaches which are used to prepare hospital pharmacy budget. (10 marks)
- 1.2 Elaborate the process of pharmaceutical procurement carried out in a public or a private hospital set up. (60 marks)
- 1.3 Briefly explain the importance of maintaining a sufficient pharmaceutical stock in a health institution. (30 marks)

02.

- 2.1 Discuss briefly the term “formal supplier qualification and monitoring”. (20 marks)
- 2.2 Briefly explain the issues that a hospital would encounter due to poor supplier performances. (50 marks)
- 2.3 Discuss briefly the term “restricted tenders”. (20 marks)
- 2.4 State **five** ideal properties of diagnostic radio pharmaceutical agents. (10 marks)

03.

- 3.1 Write a short note on following.
 - 3.1.1 Storage of control substances in the hospital. (25 marks)
 - 3.1.2 Storage of flammable and corrosive chemicals in the hospital setup. (25 marks)

PART B

- 3.2 Briefly describe the key roles of the pharmacist in the accident and emergency department. (30 marks)
- 3.3 State the triage categories in accident and emergency department indicating the respective disease severity level and maximum waiting time. (20 marks)

19

36

04.

4.1 Define the term "repackaging" in hospital pharmacy. (10 marks)

4.2 State **two** reasons for repackaging in hospital pharmacy. (10 marks)

4.3 Assume that you are a hospital pharmacist and you were asked to repack paracetamol 500 mg tablet packs which contains 28 tablets per each pack.

4.3.1. Briefly describe the type of packaging material you would select for above task. (15 marks)

4.3.2. Draw a label for above prepared package. (10 marks)

4.3.3. Draw a completed repackaging log for the above repacked drug. (15 marks)

4.4 Find the quantity of boric acid required in compounding following prescription.

NaCl equivalent values (E value) of tetracaine hydrochloride, zinc sulfate and boric acid are 0.18, 0.15 and 0.52 respectively.

Rx

Tetracaine hydrochloride 0.1 g

Zinc Sulfate 0.05 g

Boric acid q.s.

Purified water ad 30 mL

Make isotonic solution

Sig. Drop in each eye (25 marks)

4.5 A pharmacist receives a prescription for 20 mL of isotonic 2% w/v atropine sulfate eye drops. Calculate the weight of sodium chloride required to make the solution isotonic with tears. (From the Pharmaceutical Codex, a 1% w/v solution of atropine sulfate has a Freezing Point Depression (FPD) value of 0.07 °C, 1% sodium chloride produces a FPD of 0.576 °C). (15 marks)

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