

Original

Index No:



UNIVERSITY OF RUHUNA – FACULTY OF ALLIED HEALTH SCIENCES

DEPARTMENT OF PHARMACY

FOURTH BPHARM PART II EXAMINATION –JUNE/AUGUST 2020

PH 4233 HOSPITAL PHARMACY (SEQ)

TIME: TWO HOURS

INSTRUCTIONS

- There are four (04) questions in the SEQ paper.
- All the questiones should be answered in the booklet provided.
- No paper should be removed from the examination hall.
- Do not use any correction fluid.
- Use illustrations where necessary.

1.

- 1.1. List **four** factors which should be considered when preparing drug budget in a hospital. (20 marks)
- 1.2. Briefly explain **four** advantages of correct quantification of drugs for a hospital. (40 marks)
- 1.3. Briefly describe good procurement practices mentioned below.
- 1.3.1. Formal supplier qualification and monitoring. (20 marks)
- 1.3.2. Procurement limited to essential medicines list or formulary list. (20 marks)

2.

- 2.1. Define the term “inventory control”. (10 marks)
- 2.2. State **four** importance of maintaining sufficient pharmaceutical stock in a healthcare facility. (20 marks)
- 2.3. List **four** procurement methods, which can be used for procuring pharmaceuticals. (20 marks)
- 2.4. Briefly explain **two** procurement methods you have mentioned in 2.3. (30 marks)
- 2.5. State **four** approaches which are used for distributing pharmaceuticals to private and public healthcare facilities. (20 marks)

3.

- 3.1. “Dexamethasone sodium phosphate has an *E* value (a sodium chloride equivalent) of 0.18 g NaCl/g drug”. Interpret the meaning of this statement. (10 marks)

3.2.

3.2.1. Find the quantity of NaCl required in compounding the following prescription.

The values of NaCl equivalent of dexamethasone sodium phosphate is 0.18 g

NaCl/g drug. (30 marks)

Rx

Dexamethasone sodium phosphate 1%

Purified water ad. 30 mL

Make isotonic sol.

3.2.2. If the above solution is prepared isotonic with dextrose, calculate the amount of

dextrose need. $E = 0.16$ g NaCl/g dextrose. (20 marks)

3.3. List **four** radiopharmaceuticals used for diagnostic purposes. (10 marks)

3.4. Briefly explain the use of "Lexiscan" as a diagnostic agent. (30 marks)

4.

4.1. Briefly explain **three** contributing factors for medication errors in accident and emergency department. (30 marks)

4.2. Briefly explain the importance of measurements given below when selecting a wheel chair to a patient.

4.2.1. Seat width (15 marks)

4.2.3. Seat depth (15 marks)

4.3. Define the term "repackaging". (10 marks)

4.4. Briefly explain **three** advantages of repackaging of medicines in hospitals. (30 marks)

@@@@@@@@@@