



**UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE**

**ALLIED HEALTH SCIENCES DEGREE PROGRAMME**

**FOURTH BPHARM PART II EXAMINATION – JUNE 2017**

**PH 4233 HOSPITAL PHARMACY (SEQ)**

**TIME: TWO HOURS**

**INSTRUCTIONS**

- Answer **all** questions in the books provided.
  - No paper should be removed from the examination hall.
  - Do not use any correction fluid.
  - Use illustrations where necessary.
1. Answer **all** parts.
- 1.1. Briefly describe the advantages and disadvantages of unit-dose system. (20 marks)
- 1.2. What is meant by repacking of drugs? (10 marks)
- 1.3. List **five** basic guidelines for pharmaceutical repackaging. (15 marks)
- 1.4. State **five** requirements for the labels on repacked products. (10 marks)
- 1.5. Briefly describe the importance of maintaining 'isotonicity' in ophthalmic solutions. (10 marks)
- 1.6. Using sodium chloride equivalent method, calculate the quantity of boric acid (in grams) to be used in compounding the following prescription. *(Please note: E value table is given)*
- |   |       |
|---|-------|
| Phenacaine hydrochloride  | 1%    |
| Chlorobutanol   | 0.5%  |
| Boric acid  | q.s   |
| Purified water ad   | 60 mL |
| Make isoton. sol.   |       |
| Sig. one drop to each eye <span style="float: right;">(20 marks)</span> |       |
- 1.7. Using freezing point depletion method, calculate the amount of each sodium chloride and dibucaine hydrochloride required to prepare 30 mL of a 2% solution of dibucaine hydrochloride isotonic with tears. *(Please note: FPD table is given)* (15 marks)
2. Answer **all** parts.
- 2.1. Write short notes on followings.
- 2.1.1. Medication errors in accident and emergency department. (25 marks)
- 2.1.2. Key areas of work of pharmacist in accident and emergency department. (25 marks)
- 2.2. State **five** ideal properties of diagnostic radiopharmaceuticals. (10 marks)
- 2.3. Differentiate positive and negative contrast media. (10 marks)
- 2.4. Briefly describe the use of metyrapone as a diagnostic agent. (20 marks)
- 2.5. List **three** factors to be considered before ordering a diagnostic test. (10 marks)

3. Answer **all** parts.

3.1.

3.1.1. List **four** axillary crutch gaits. (10 marks)

3.1.2. Briefly explain **two** gaits mentioned above in 3.1. (20 marks)

3.1.3. Briefly describe the advices given to the patient when dispensing oral type thermometer. (20 marks)

3.2.

3.2.1. Briefly describe drug distribution systems used in hospital pharmacy setup. (20 marks)

3.2.2. Briefly describe common drug inventory control models used in hospital pharmacy setup. (30 marks)

4. Answer **all** parts.

4.1. Briefly describe **five** principles of good pharmaceutical procurement. (30 marks)

4.2. Briefly describe hidden cost associated with poor performance of drug suppliers or drug procurement office. (30 marks)

4.3. Describe drug procurement methods used in hospital pharmacy setup. (40 marks)

@@@@@@@@@@