



UNIVERSITY OF RUHUNA – FACULTY OF ALLIED HEALTH SCIENCES

DEPARTMENT OF PHARMACY

SECOND BPHARM PART I EXAMINATION – JULY 2018

PH 2123 PHARMACEUTICS IIB (SEQ)

TIME: TWO HOURS

INSTRUCTIONS

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

PART A

1.
 - 1.1. Indicate **three** oral care products that are used for maintaining oral hygiene. *(15 marks)*
 - 1.2. Indicate **one** function for each of following ingredients present in toothpastes.
 - 1.2.1. Abrasives *(05 marks)*
 - 1.2.2. Humectants *(05 marks)*
 - 1.2.3. Flavoring agents *(05 marks)*
 - 1.3. Define the term “aerosols”. *(10 marks)*
 - 1.4. Write a brief description on components of pharmaceutical aerosol systems. *(40 marks)*
 - 1.5. Indicate **two** advantages and **two** disadvantages of pharmaceutical aerosol systems. *(20 marks)*

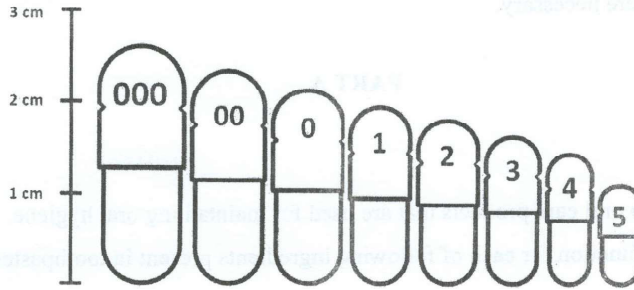
2.
 - 2.1. Briefly describe “plasma substitutes”. *(30 marks)*
 - 2.2. Define the term “blood components”. *(10 marks)*
 - 2.3. List **five** examples for blood components. *(10 marks)*

PART B

- 2.4. List **three** types of pharmaceutical incompatibilities. *(12 marks)*
- 2.5. Briefly explain **two** types of pharmaceutical incompatibilities mentioned in 2.4 and give **two** examples for each. *(38 marks)*

3. 3.1. "Pyrogens affect the compatibility of a parenteral product". Justify this statement. (25 marks)
- 3.2. Explain briefly the methods employed in the sterilization of parenteral products. (35 marks)
- 3.3. Discuss the formulation additives and vehicles used in the manufacturing of sterile parenteral products. (40 marks)

4. 4.1. Briefly explain following diagram which describes the variation of capsule size. (25 marks)



- 4.2. Write a brief note on "Globex method" which is used to prepare soft gelatin capsules. (40 marks)
- 4.3. Briefly describe strip packaging method used for capsules with the illustration of the sketch diagram of packaging process. (35 marks)

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