



UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE
ALLIED HEALTH SCIENCES DEGREE PROGRAMME
SECOND BPHARM PART 1 EXAMINATION - JULY 2013
PH 2123 – PHARMACEUTICS IIB (SEQ)

TIME: 9.00a.m- 11.00 a.m.

INSTRUCTIONS

- No paper should be removed from the examination hall.
- Do not use any correction fluid.
- Please use separate answer booklets.

Answer all the questions.

- 01.
- 1.1 List **five** advantages of tablets as a dosage form. **(10 marks)**
- 1.2 Briefly explain the followings.
- 1.2.1 Lubricants and glidants. **(15 marks)**
- 1.2.3 Ingredients found in the formula of chewable vitamin C tablets. **(15 marks)**
- 1.3 Using necessary diagrams briefly describe the tablet compression cycle. **(30 marks)**
- 1.4 Outline the sugar coating process. **(30 marks)**
- 02.
- 2.1
- 2.1.1. What is meant by pharmaceutical aerosol? **(10 marks)**
- 2.1.2 List out **five** advantages of pharmaceutical aerosols. **(10 marks)**
- 2.1.3 Explain briefly the components of an aerosol. **(25 marks)**
- 2.2 Using necessary diagrams, briefly describe the mechanism of action of aerosols that use liquefied gas as the propellant. **(30 marks)**
- 2.3 Explain briefly the desired properties of an aerosol container. **(25 marks)**

03. Briefly explain the followings.

- 3.1. Different routes that can be used to administer parenteral preparations. **(30 marks)**
- 3.2 Additives used to formulate parenteral preparations. **(25 marks)**
- 3.3 Large volume parenterals. **(30 marks)**
- 3.4 Sterilization of injections. **(15 marks)**

04.

4.1

- 4.1.1 What is a soft gelatin capsule ? **(10 marks)**
- 4.1.2 State the components of a soft gelatin capsule shell. **(15 marks)**
- 4.1.3 Describe the advantages and disadvantages of soft gelatin capsules. **(25 marks)**

4.2

- 4.2.1 Define the term 'drug incompatibility'. **(20 marks)**
- 4.2.2 "When digoxin is concomitantly given with an antibiotic, it can cause toxicity to the body". Explain the above situation with relevance to pharmaceutical incompatibilities. **(30 marks)**

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