



UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE
ALLIED HEALTH SCIENCES DEGREE PROGRAMME
SECOND B. PHARM PART I EXAMINATION – JULY 2017
PH 2123 PHARMACEUTICS II B (SEQ)

TIME: TWO HOURS

INSTRUCTIONS

- Answer all questions.
- No paper should be removed from the examination hall.
- Do not use any correction fluid.
- Use illustrations where necessary.

1.

1.1. Define the term “pharmaceutical aerosols”. **(10 marks)**

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1.2. List **four** main components of aerosol system. **(10 marks)**

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1.3. Mention **two** advantages and **two** disadvantages of respiratory drug delivery systems. **(20 marks)**

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1.4. Briefly describe pressure filling process used during manufacturing of aerosol system. **(30 marks)**

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1.5. Briefly explain about flash point test. **(15 marks)**

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1.6. Briefly describe about operation principle of ultrasonic nebulizer. **(15 marks)**

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2.

2.1. List five parameters for acceptable toothpaste product. (10 marks)

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2.2. What are blood components? (10 marks)

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2.3. Briefly describe about plasma substitutes. (30 marks)

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2.4. What are pharmaceutical incompatibilities? (20 marks)

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2.5. Briefly explain **three** ways of manifesting physical/pharmaceutical incompatibilities. (30 marks)

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3.

3.1. List **two** advantages and **two** disadvantages of modified release dosage forms. (20 marks)

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4.

4.1. List **five** types of excipients used for tablet formulation and give **one** example for each type. (20 marks)

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4.2. Name **five** different types of tablet dosage form and briefly explain them. (40 marks)

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4.3. Name **five** tableting defects and briefly explain them. **(40 marks)**

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