

Original

Index No:.....



UNIVERSITY OF RUHUNA – FACULTY OF MEDICINE

ALLIED HEALTH SCIENCES DEGREE PROGRAMME

SECOND B. PHARM PART I EXAMINATION – JUNE 2016

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. Answer all parts.

1.1 Give three (03) requirements in the production of tablet dosage form. (06 marks)

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1.2 Name four (04) different types of tablets giving relevant examples for each. (20 marks)

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1.5 Explain briefly capping and lamination in tablet.

(15 marks)

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1.6 Name three (03) more tablet defects.

(06 marks)

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1.7 Briefly explain tablet coating.

(06 marks)

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1.8 Give four (04) reasons for tablet coating.

(04 marks)

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1.9 State three (03) types of tablet coatings.

(06 marks)

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2. Answer all parts.

2.1 State the ingredients used in the formulation of capsules.

(30 marks)

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2.2

2.2.1 State the procedure of preparation of hard gelatin capsules.

(40 marks)

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2.2.2 Explain briefly about the capsule sealing. (15 marks)

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2.3 Give two (02) examples of primary packing of capsules and explain one of them briefly. (15 marks)

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3. Answer **all** parts.

3.1 List major pharmaceutical incompatibilities. (06 marks)

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3.3 Explain briefly the importance of determining the pharmaceutical incompatibilities.

(10 marks)

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3.4 Briefly describe sustained release dosage forms.

(20 marks)

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3.5 Explain briefly the method of sterilization of the pharmaceutical parenteral products.

(20 marks)

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3.6 Explain briefly the two (02) tests for determining pyrogens in pharmaceuticals.

(14 marks)

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4. Answer all the parts.

4.1 Define the term pharmaceutical aerosols.

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(10 marks)

4.2 State two types of aerosol systems.

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(10 marks)

4.3 Briefly explain the manufacturing processes of pharmaceutical aerosols.

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(10 marks)

4.4 Briefly describe advantages and disadvantages of metered dose inhalers

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(30 marks)

