THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF PHARMACY
ACADEMIC YEAR 2020/2021 – SEMSETER I

BACHELOR OF PHARMACY HONOURS
FMU3203- PHARMACEUTICS I - LEVEL 03
FINAL EXAMINATION
DURATION: TWO (02) HOURS

DATE: 09.03.2022 TIME: 1.30 P.M. TO 3.30 P.M.

Part B- Short Answer Questions – SAQs (20 Marks)

1.

1.1 List four (04) factors leading to medication errors related to patients. (02 marks)

I. .....

II. .....

III. .....

IV. .....

1.2 State two (02) prevention activities that you would implement in the prevention of medication errors. (02 marks)

I. .....

.....

II. .....

.....

1.3 Give two (02) examples of physical incompatibilities. (02 marks)

I. .....

II. .....

1.4 State four (04) unit operations in Pharmacy. (04 marks)

I. .....

II. .....

III. .....

IV. .....

Index No: .....

2.

2.1 State two (02) uses of distillation in pharmacy. (02 marks)

I. .....

II. .....

2.2 Briefly state the importance of the following in relation to filtration process.

(06 marks)

I. Straining.....

.....

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II. Clarification.....

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III. Filter-aid.....

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.....

2.3 Give two (02) characteristic features of tinctures. (02 marks)

I. .....

.....

II. .....

.....

Index No: .....

Part C- Structured Essay Questions (60 Marks)

1.

1.1 Write an account on exsiccation as a unit operation in pharmacy. (10 marks)

1.2 Differentiate emulsions from suspensions as a dosage form. (10 marks)

1.3 Briefly describe the stabilizers used in pharmaceutical formulation. (10 marks)

2.

2.1 Briefly explain the effect of pH on chemical incompatibility that may arise in a formulation. (10 marks)

2.2 Explain applications of adsorption phenomena in pharmacy. (10 marks)

2.3 Write an account on modern methods used in the extraction of natural products. (10 marks)