— Coordination file —

29 SEP 2020

0053

THE OPEN UNIVERSITY OF SRI LANKA
FACULTY OF HEALTH SCIENCES
DEPARTMENT OF PHARMACY
ACADEMIC YEAR 2019/2020 – SEMSETER I

BACHELOR OF PHARMACY HONOURS
FMU3203 - PHARMACEUTICS I – LEVEL 3
FINAL EXAMINATION
DURATION: TWO HOURS

DATE: 28th SEPTEMBER 2020 TIME: 1.30 P.M. – 3.30 P.M.

INDEX NO.....

Part B – Short Answer Questions (20 marks)

1.

1.1.List **four (04)** characteristics of an ideal base used in topical semisolid dosage forms.

(08 Marks)

i. .....

ii. .....

iii. .....

iv. .....

1.2.State **two (02)** examples for natural emulsifying agents. **(02 Marks)**

i. .....

ii. .....

2.

2.1.List **two (02)** non-aqueous solvents used in pharmacy. **(04 Marks)**

i. .....

ii. .....

2.2.State **three (03)** reasons as to why water is commonly used as a solvent in pharmacy.

(06 Marks)

i. .....

ii. .....

iii. .....

INDEX NO .....

Part C – Structured Essay Questions (60 marks)

1.

1.1. What is meant by pharmaceutical excipients? **(04 Marks)**

1.2. State **three (03)** reasons of using lubricants in dosage forms. **(06 Marks)**

1.3. Describe the need of formulating medicines into dosage forms. **(20 Marks)**

2.

2.1. State the difference between drying and evaporation. **(04 Marks)**

2.2. List **three (03)** apparatus that are used in large scale evaporation. **(06 Marks)**

2.3. Discuss the factors affecting the selection of a suitable apparatus for evaporation. **(20 Marks)**