

UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF PHARMACY
FIRST YEAR SECOND SEMESTER EXAMINATION AUGUST 2016
PHACE 1284 PHARMACEUTICS I - PAPER II

Date: 11.08.2016

Time: 2 Hours

Answer all eight questions.

- 01.** 1.1 Name five external liquid dosage forms. (20 Marks)
1.2 List the vehicles used to prepare pharmaceutical formulations. (20 Marks)
1.3 Describe the functions of vehicle used in pharmaceutical formulations. (20 Marks)
1.4 Compare and contrast syrup and elixir. (40 Marks)
- 02.** 2.1 Classify the suspension based on size of dispersed particles. (15 Marks)
2.2 Differentiate flocculated suspension and deflocculated suspension. (40 Marks)
2.3 Explain the pharmaceutical applications of suspension with examples. (45 Marks)
- 03.** 3.1 Define the term 'semisolid dosage form'. (10 Marks)
3.2 Enumerate the ideal properties of semisolid preparations. (40 Marks)
3.3 Describe the factors influence the selection of semisolid base for topical preparation. (50 Marks)
- 04.** 4.1 List the specifications of suppository bases. (20 Marks)
4.2 Describe the advantages of synthetic triglycerides over theobroma oil as suppository base. (35 Marks)
4.3 A batch of 8 plain suppositories having total weight of 8.5g were prepared. Then a batch of 8 suppositories containing 20% drug were prepared (total weight 10.0g). Calculate the displacement value of the drug. (45 Marks)
- 05.** 5.1 Describe the safety rules for handling medicinal gas cylinders. (60 Marks)
5.2 Name the different types of oxygen supply systems for medical use. (15 Marks)
5.3 Write an account on supplemental oxygen. (25 Marks)
- 06.** 6.1 Name the types of oral tablets. (20 Marks)
6.2 List the advantages of soft gelatin capsules. (30 Marks)
6.3 Briefly explain the various methods used for mixing of powder. (50 Marks)
- 07.** 7.1 Define 'Allergenic Extracts'. (10 Marks)
7.2 List the allergenic extracts with examples. (40 Marks)
7.3 Describe the different methods used for the preparation of crude extracts. (50 Marks)
- 08.** Write an account on:
8.1 Emulsifying agents. (35 Marks)
8.2 Pharmaceutical gel. (30 Marks)
8.3 British pharmacopeia. (35 Marks)