



**UNIVERSITY OF JAFFNA, SRI LANKA**  
**BACHELOR OF PHARMACY**  
**FIRST YEAR SECOND SEMESTER EXAMINATION APRIL 2020**  
**PHACE 1284 PHARMACEUTICS I - PAPER II**

**Date: 8.10.2020**

**Time: 2 Hours**

Answer all eight (08) questions.

1. Briefly explain the
  - 1.1 identification of medicinal gases cylinders according to their colour coding system with example. (20Marks)
  - 1.2 identification of full and empty cylinders of medicinal gases. (50Marks)
  - 1.3 valve system of medicinal gases. (30 Marks)
  
2.
  - 2.1 Name five(05) external liquid dosage forms. (20Marks)
  - 2.2 List the vehicles used to prepare pharmaceutical formulations. (20Marks)
  - 2.3 Briefly explain different types of pharmaceutical excipients. (60Marks)
  
3.
  - 3.1 List the basic requirements of pharmaceutical suspension. (15 Marks)
  - 3.2 Compare the flocculated and deflocculated suspension. (35 Marks)
  - 3.3 Write an account on application of pharmaceutical suspension. (50 Marks)
  
4.
  - 4.1 Define 'suppository BP'. (15 Marks)
  - 4.2 Explain why Hard-fat is a good suppository base. (45 Marks)
  - 4.3 Describe how the hardness of a suppository is determined. (40 Marks)
  
5.
  - 5.1 Briefly describe the ideal characters of ointment base. (50 Marks)
  - 5.2 Explain the ointment preparation methods. (50 Marks)
  
6.
  - 6.1 Define "Tablet BP". (10 Marks)
  - 6.2 Write advantages and disadvantages of tablet. (40 Marks)
  - 6.3 Write an account on tableting problem. (50 Marks)

7. Write a short notes on
- 7.1 liniment. (40 Marks)
  - 7.2 aromatic waters. (30 Marks)
  - 7.3 syrup. (30 Marks)
- 8.
- 8.1 List the types of emulsion and describe their properties. (40 Marks)
  - 8.2 Briefly explain the
    - 8.2.1 identification tests for type of emulsion. (30 Marks)
    - 8.2.2 stability problems on emulsion. (30 Marks)

