

Feb

**UNIVERSITY OF JAFFNA, SRI LANKA**  
**BACHELOR OF PHARMACY**  
**FIRST YEAR SECOND SEMESTER EXAMINATION – FEBURARY 2018**

**PHACE 1284 PHARMACEUTICS I**

**PAPER II**

**Date: 07.03.2018**

**Time: 2 hours**

**ANSWER ALL EIGHT QUESTIONS. Marks allotted to each part are given within brackets.**

1.
  - 1.1 List the colour coding of medicinal gas pipe system. (20Marks)
  - 1.2 How would you differentiate oxygen cylinder in drug store? Briefly explain. (30 Marks)
  - 1.3 Write procedure for separation of full and empty cylinder for carbon dioxide. (30Marks)
  - 1.4 List the different type of oxygen BP in medicinal use. (20 Marks)
  
2.
  - 2.1 Briefly explain the four (4) categories of radiopharmaceuticals. (20Marks)
  - 2.2 Write an account on usage of Technetium-99m as a radiopharmaceutical. (50Marks)
  - 2.3 Write the quality assurance parameters of radiopharmaceuticals? (30Marks)
  
3.
  - 3.1 List the requirement of good quality pharmaceutical suspension. (25 Marks)
  - 3.2 Compare the flocculated and de-flocculated suspension. (40 Marks)
  - 3.3 Write the advantages and disadvantages of pharmaceutical suspension. (35 Marks)
  
4.
  - 4.1 Define 'suppository BP'. (15 Marks)
  - 4.2 Explain theobroma oil as a suppository base. (45 Marks)
  - 4.3 Explain the factors which influence on the absorption of suppository. (40 Marks)
  
5.
  - 5.1 Briefly describe the essential characteristics for a good ointment base. (50 Marks)
  - 5.2 Explain the ointment preparation methods. (50 Marks)

6. Describe the similarities and dissimilarities of the following pair:
- 6.1 lotion and liniment. (50 Marks)
  - 6.2 tablet and capsule. (50 Marks)
7. Write short notes on:
- 7.1 aromatic waters. (40 Marks)
  - 7.2 mouth washes. (30 Marks)
  - 7.3 cream. (30 Marks)
- 8.
- 8.1 List the different types of emulsions. (10 Marks)
  - 8.2 Describe the properties of emulsions which mentioned in 8.1 (30 Marks)
  - 8.3 Explain the identification tests for emulsion which mentioned in 8.1. (30 Marks)
  - 8.4 Explain the instabilities that occur in emulsions. (30 Marks)