

**UNIVERSITY OF JAFFNA**  
**BACHELOR OF PHARMACY**  
**FIRST YEAR SECOND SEMESTER EXAMINATION — JULY 2015**  
**PHACE 1284 PHARMACEUTICS I — PAPER If**

**Date: 15.07.2015.**

**Time: 02 Hours**

**ANSWER ALL EIGHT QUESTIONS.**

1.
  - 1.1 List the types of tablets. (20 Marks)
  - 1.2 List the advantages and disadvantages of tablets. (30 Marks)
  - 1.3 Explain the manufacturing defects of tablets. (50 Marks)
2.
  - 2.2 List the properties of suspension. (40 Marks)
  - 2.3 List the pharmaceutical applications of suspensions. (30 Marks)
  - 2.4 List the pharmaceutical uses of emulsion. (30 Marks)
3.
  - 3.1 Explain why some drugs are not suitable for oral route? (30 Marks)
  - 3.2 List the ideal properties of suppository bases. (30 Marks)
  - 3.3 List the advantages of synthetic tri-glycerides over cocoa butter. (40 Marks)
4.
  - 4.1 List the ideal properties of ointment bases. (30 Marks)
  - 4.2 Briefly describe the various types of ointment bases. (50 Marks)
  - 4.3 Differentiate the ointment and cream. (20 Marks)
5.
  - 5.1 Describe the importance of extracts. (30 Marks)
  - 5.2 Explain the qualities of ideal allergenic extracts. (20 Marks)
  - 5.3 List the errors that could occur during measurement of liquids. (50 Marks)
6.
  - 6.1 Classify bulk powders. (20 Marks)
  - 6.2 Describe the each types of bulk powder mentioned in 6.1 (40 Marks)
  - 6.3 Define the following.
    - 6.3.1 Aromatic water (10 Marks)
    - 6.3.2 Elixir (10 Marks)
    - 6.3.3 Radiopharmaceuticals (10 Marks)
    - 6.3.4 Liniments (10 Marks)
7.
  - 7.1 List the medicinal gases. (10 Marks)
  - 7.2 How will you identify cylinders containing medicinal gases. (40 Marks)
  - 7.3 Briefly describe the safe handling of medicinal gas cylinders. (50 Marks)

- 8.
- 8.1 List the excipients used in the soft gelatine capsules. (20 Marks)
  - 8.2 Calculate the amount of 2% of ointment that must be added to 30 gram of 15% ointment to prepare 5% ointment? (40 Marks)
  - 8.3 Calculate the amount of base for the preparation of bismuth subgallate suppositories each containing 300 mg of drug and weighing 1 gram (displacement value of bismuth subgallate is 3). (40 Marks)

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