

**UNIVERSITY OF JAFFNA, SRI LANKA**  
**BACHELOR OF PHARMACY**  
**SECOND YEAR FIRST SEMESTER EXAMINATION – NOVEMBER 2014**  
**PHACE 2103 – PHARMACEUTICS II**  
**PART II**

Date: 02.12.2014



Time – 2 hours

ANSWER ALL THE EIGHT QUESTIONS.

- 1    1.1 List 10 different terms that are used to describe containers. (30 Marks)
- 1.2 What are the factors considered in selection of packaging for pharmaceutical products? (30 Marks)
- 1.3 Write an account on closures. (40 Marks)
  
- 2    2.1 What is meant by dose? (10 Marks)
- 2.2 List the factors that influence in the determination of a dose. (40 Marks)
- 2.3 Describe the methods used for the pediatric dose calculation. (50 Marks)
  
- 3    3.1 Explain the pharmacist's responsibility on prescription. (40 Marks)
- 3.3 Briefly describe the dispensing procedure of a pharmacist on receipt of a prescription for extemporaneous preparation. (60 Marks)
  
- 4    4.1 List the medication errors. (30 Marks)
- 4.2 Describe how medication errors could be prevented. (70 Marks)
  
- 5    5.1 A prescription for drug V is given to you.  
     125mg, tds, 1/52  
     Drug V is available as a suspension containing 250mg/5mL. Calculate the volume of each dose and calculate the volume of suspension that should be supplied to the patient. (45 Marks)
- 5.2 An infusion solution contains 50mg drug A in 500mL. What rate of infusion should be used to give 90 microgram/min? How long will a 500mL infusion last? (40 Marks)
- 5.3 Calculate the strength of 80% v/v alcohol in terms of proof spirit? (15 Marks)
  
- 6    6.1 List the different types of surgical dressings. (20 Marks)
- 6.2 Enumerate the ideal features of the surgical dressings. (45 Marks)
- 6.3 How would you standardize the surgical dressings? (35 Marks)
  
- 7    7.1 What is meant by stability testing? (25 Marks)
- 7.2 Explain the stability problems of extemporaneous mixtures. (35 Marks)
- 7.3 How would you maintain a refrigerator in a pharmacy? (40 Marks)
  
- 8    8.1 Define the term 'pharmaceutical incompatibilities' (20 Marks)
- 8.2 Write the reasons for physical incompatibility. (20 Marks)
- 8.3 Explain the correction methods of the physical incompatibility with examples. (60 Marks)