

UNIVERSITY OF JAFFNA, SRI LANKA
BACHELOR OF PHARMACY
THIRD YEAR FIRST SEMESTER EXAMINATION – NOVEMBER 2014
PHACE 3102 PHARMACEUTICS IV
PART II

Date: 18.11.2014

Time – 2 hours

ANSWER ALL THE EIGHT QUESTIONS.

- 1 1.1 List different types of tablets. (20 Marks)
 1.2 Write the essential properties of tablet. (30 Marks)
 1.3 As an industrial pharmacist, how would you handle the “tablet punch”. (50 Marks)

- 2 2.1 What is granulation? (20 Marks)
 2.2 List the steps in the wet granulation. (30 Marks)
 2.3 Describe the sugar coating process. (50 Marks)

- 3 3.1 Name the commonly used pharmaceutical vehicles. (20 Marks)
 3.2 List the methods used to prepare water for injections. (20 Marks)
 3.3 Describe the methods mentioned in 3.2. (60 Marks)

- 4 4.1 Define the term ‘aerosol’ (20 Marks)
 4.2 What are the advantages of using aerosols in pharmaceuticals? (40 Marks)
 4.3 Enumerate the containers used in packaging of aerosol. (40 Marks)

- 5 Write an account on
 5.1 propellant. (35 Marks)
 5.2 powdered glass test. (30 Marks)
 5.3 classification of cosmetics. (35 Marks)

- 6 6.1 Name the special techniques used in hard gelatin capsule manufacturing? (20 Marks)
 6.2 List the quality control tests for capsules. (30 Marks)
 6.3 Describe the manufacturing process of soft gelatin capsules. (50 Marks)

- 7 7.1 List the parenteral production processes. (30 Marks)
 7.2 Give the precautionary measures to be followed in the manufacturing of sterile products. (30 Marks)
 7.3 Describe the methods to evaluate particulate matter contamination in parenterals. (40 Marks)

- 8 8.1 List the different ophthalmic preparations. (20 Marks)
 8.2 Explain the expected properties of ophthalmic preparation. (20 Marks)
 8.3 Explain the processes in the formulation of eye drops. (60 Marks)