

UNIVERSITY OF JAFFNA
BACHELOR OF PHARMACY
THIRDYEAR FIRST SEMESTER EXAMINATION – JULY 2013
PHACE 3102 - PHARMACEUTICS IV
Paper II

Date: 13.08.2013

Time: 02 Hour

ANSWER ALL THE **EIGHT** QUESTIONS

1. 1.1 Describe the manufacturing of tablets by direct punching method with example. (50 Marks)
- 1.2 Describe the disintegration test for uncoated tablets. (30 Marks)
- 1.3 What is the significance of disintegration test? (20 Marks)
2. 2.1 Define the term “granulation”. (20 Marks)
- 2.2 Explain the importance of granulation in tablet manufacturing. (45 Marks)
- 2.3 What are the advantages of high shear mixture granulation? (35 Marks)
3. 3.1 List the advantages of soft gelatin capsules over other solid dosage forms. (30 Marks)
- 3.2 Describe the manufacturing process of soft gelatin capsule. (50 Marks)
- 3.3 Name the quality control tests for capsules. (20 Marks)
4. 4.1 Explain the importance of sterility in parenteral injections. (20 Marks)
- 4.2 Diagrammatically explain the water purification for parenteral preparations. (50 Marks)
- 4.3 List the standards required for parenteral water. (30 Marks)
5. 5.1 Explain the components of aerosol package. (50 Marks)
- 5.2 List the quality tests for aerosols. (30 Marks)
- 5.3 What are the requirements of containers for aerosol preparations? (20 Marks)
6. Write an account on
 - 6.1 medicatedchewing gum. (35 Marks)
 - 6.2 hyperdermic needle. (35 Marks)
 - 6.3 flavoring agent used in pharmaceuticals. (30 Marks)
7. Describe the following parenteral production procedures.
 - 7.1 Filtration. (40 Marks)
 - 7.2 Filling. (30 Marks)
 - 7.3 Sealing. (30 Marks)
8. 8.1 What are the requirements for extemporaneous ophthalmic preparations? (20 Marks)
- 8.2 List the ophthalmic product characters and briefly explain. (50 Marks)
- 8.3 Write the standard packaging colours for different types of ophthalmic preparation. (30 Marks)