

FACULTY OF PHARMACY**B. Pharmacy III Year I – Semester (Main) Examination, November 2013****Subject: Pharmaceuticals Technology (Pharmaceutics – II)****Time: 3 Hours****Max.Marks: 70*****Note: Answer all questions. All questions carry equal marks.***

- 1.(a) Explain the properties and selection of preservatives and antioxidants in pharmaceutical preparations. (8)
(b) Describe in detail selection of organoleptic agents for liquid orals. (6)
OR
(c) Define pharma gel A and pharma gel B. (4)
(d) Describe manufacture of hard gelatin capsule. (6)
(e) Explain two filling methods for hard gelatin capsules. (4)
- 2.(a) Define stoke's law. Explain flocculated and deflocculated suspensions. (7)
(b) Explain formulation and stability of suspension. (7)
OR
(c) Discuss in brief formulation of emulsions. (7)
(d) Write a note on HLB value and shelf life of emulsion. (7)
- 3.(a) Classify tablets. Mention the advantages of tablets. Explain the various excipients used in the preparation of tablets. (8)
(b) Mention quality control tests of tablets. (6)
OR
(c) Classify tablet coating process. Write the advantages and disadvantages of sugar coating and film coating. (5)
(d) Explain defects of coating. (9)
- 4.(a) What are pyrogens? Explain pyrogen testing in detail. (7)
(b) Explain quality control of parenteral preparations. (7)
OR
(c) Explain formulations of eye drops. (6)
(d) Explain quality control of eye drops. (5)
(e) What are the special instructions to be printed on the eye drop container according to drugs and cosmetics act? (3)
- 5.(a) Define aerosol. Explain various propellants used in the manufacture of aerosols. (6)
(b) Explain various manufacturing and packing methods of aerosols. (8)
OR
(c) Describe various quality control tests for plastic and glass packaging system. (10)
(d) Write a note on interactions of formulation and primary packaging systems. (4)
