

FACULTY OF PHARMACY**B. Pharmacy 3/4 I-Semester (Main) Examination, November 2015****Subject : Pharmaceutical 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) Write a note on hydrocollids. (6)
OR
(c) Describe in detail composition and the manufacture of soft gelatin capsules. (10)
(d) Describe quality control tests for soft gelatin capsule. (4)
- 2 (a) Explain different types of method of preparation of suspension. Describe in detail Stoke's law and evaluation of suspensions. (14)
OR
(b) Explain the concept of multiple emulsion. (4)
(c) What are various formulation factors affecting the manufacture of emulsions? (6)
(d) Explain various identification tests for pharmaceutical emulsions. (4)
- 3 (a) Mention different types of tablets and their advantages. Explain the role of excipients used in the tablet formulation. Mention the quality control of uncoated tablets. (14)
OR
(b) Explain the purpose of coating a tablet. Mention different types of coating process. (4)
(c) Describe in detail film coating process and its defects. (10)
- 4 (a) Define large volume and small volume parenterals. Compare and contrast different types of containers used in packing of parenterals. (10)
(b) Describe LAL test. (4)
OR
(c) Explain formulation and manufacture of eye drops. (9)
(d) Explain official labeling requirements according to drugs and cosmetics act for eye formulations. (5)
- 5 (a) Mention the advantages and disadvantages of different types of propellants. (5)
Explain in detail formulation of aerosols. (9)
OR
(b) Describe glass as a packing material. (7)
(c) Describe tests for alkalinity of glass. (7)
