

Code No. 4049

FACULTY**B. Pharmacy 3/4 I – Semester (Main) Examination, October 2016****Subject: Pharmaceutical Technology (Pharmaceutics – II)****Time: 3 Hrs****Max.Marks: 70****Note: Answer all questions. All questions carry equal marks.**

- 1 a) Explain the properties and selection of vehicles and hydrocolloids in pharmaceutical preparations. 8
b) Describe in detail selection of excipients used in the preparation for liquid orals. 6
OR
c) Explain the different stages of manufacturing of hard gelatin capsules. 6
d) Describe the method for manufacturing of soft gelatin capsule and its quality control. 8
- 2 a) Explain Stoke's law. What are the factors affecting stability of suspensions. 6
b) Explain formulation and quality control of suspension. 8
OR
c) Discuss in brief formulation and quality control of emulsions. 7
d) Write a note on 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) Explain in detail quality control tests of tablets. 6
OR
c) Classify different types of granulation process. Describe in detail single punch and multistation rotary press compression process. 10
d) Explain defects of coating. 4
- 4 a) What are pyrogens? Explain "sham" test in detail. 7
b) Explain different filling methods of parenteral preparations. 7
OR
c) Write a note on injectable suspension. 6
d) Explain quality control of eye ointments. 5
e) What are the instructions to be printed on the ophthalmic products container? 3
- 5 a) Write a detail formulation of aerosols and describe in detail packaging materials and methods used in the manufacture of aerosols. 14
OR
b) Explain in detail glass and plastic as pharmaceutical packaging systems. Describe in detail quality control tests of glass. 14
