

Code No. 6049 / S

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

- 1 a) Classify hydrocolloids. Describe their properties and concentrations used in pharmaceutical liquid dosage forms. 9
b) Mention the ideal requirements in the selection of adjuvants in pharmaceutical preparation. 5
OR
c) Explain the different steps involved in the preparation of hard gelatin capsule shells. 5
d) Describe rotary die process. 5
e) Explain quality control of soft gelatin capsule. 4
- 2 a) Describe the theory of emulsions. Explain in detail DLVO theory. 10
b) Explain zeta potential. 4
OR
c) Explain the formulation of pharmaceutical suspensions with a neat flow chart. 5
d) Describe various identification tests of emulsions. 5
e) Write a note on HLB. 4
- 3 a) Discuss the role of different types of excipients used in tablet formulation. Name few excipients used in tablet formulation. 6
b) Explain wet granulation and slurrery process. 8
OR
c) Define film coating and mention the advantages of it. Mention few polymers to achieve film coating. 6
d) Explain various defects experienced in the process of coating. 8
- 4 a) Explain in detail clean room guidelines of parenteral production area. 8
b) Explain sterility test. 6
OR
c) Write note on formulation of eye ointments. 6
d) What do you mean by artificial tears, mention the composition of it? 2
e) Describe the quality control tests for eye formulations. 6
- 5 a) Explain formulation, manufacturing process and quality control of aerosols. 14
OR
b) Discuss plastic as a pharmaceutical packaging system. 7
c) Explain quality control tests for glass as a packaging system. 7
