

Code No. 8049

FACULTY OF PHARMACY**B.Pharmacy III - Year I - Semester (Main) Examination, October/November 2014****Subject: Pharmaceutical Technology (Pharmaceutics - II)****Time: 3 Hours****Max. Marks: 70*****Note: Answer all questions. All questions carry equal marks.***

- 1 Write note on :
(a) Flavoring agents (3)
(b) Vehicles (3)
(c) Diluents (3)
(d) Mention the ideal requirements in the selection of adjuvants. (5)
- OR**
- (e) Mention various sizes of hard gelatin capsules. Explain the different steps involved in the preparation (filling) into hard gelatin capsule. (9)
(f) Explain quality control of hard gelatin capsule. (5)
- 2 (a) Describe the composition of flocculated and deflocculated suspension. (7)
(b) Explain the manufacture of pharmaceutical suspension. (7)
- OR**
- (c) Explain various parameters involved in the selection of equipment in the manufacturing of pharmaceutical emulsions. (7)
(d) Describe various formulation parameters to be considered in the preparation of emulsions. (7)
- 3 (a) What are the ideal properties of excipients used in tablet formulation? Name few excipients used in tablet formulation. (6)
(b) Describe various granulation process used in the preparation of tablets. (8)
- OR**
- (c) Define enteric coating and mention the advantages of it. Mention few polymers to achieve enteric coating. (6)
(d) Explain various film defects experienced in the process of coating. (8)
- 4 (a) Explain in detail environmental conditions to be maintained in parenteral production area. (8)
(b) Explain Sham test for pyrogen. (6)
- OR**
- (c) Write note on composition of eye drops and eye ointments. (6)
(d) What do you mean by artificial tears, mention the composition of it? (2)
(c) Describe the quality control tests for eye formulations. (6)
- 5 (a) Explain different manufacturing process and packaging of aerosols. What are the pharmaceutical applications of aerosols? (14)
- OR**
- (b) Describe plastic as a pharmaceutical packaging system. (7)
(c) Explain quality control tests for plastics. (7)
