

FACULTY

**B. Pharmacy 3/4 Year I Semester (Non CBCS) (Backlo) Examination,
November 2018**

**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 preservatives for pharmaceutical formulations? 7
(b) Classify surfactants? Write a note on nonionicsurfactants? 7
OR
(c) Describe various fillin methods of soft elatin capsules? 8
(d) Describe evaluation tests for hard elatin capsule? 6
- 2 (a) What are suspensions? Mention the composition of flocculated and deflocculated suspensions? Explain influence of particle size upon formulation of suspensions? 8
(b) Discuss in brief the physical stability of suspensions? 6
OR
(c) Define emulsion? Explain different of types of emulsions? Write a note on formulation of emulsions? 6
(d) What are the different methods of manufacturing for the preparation of emulsions? Add a note on colloidal mill? 8
- 3 (a) What are the different types of granulation methods? Explain wet and dry granulation methods? Explain mechanism of granule formation? 10
(b) Describe various excipients used in the formulation of tablets and its properties? 4
OR
(c) What are the advantages of coating? Explain pan coating process? 8
(d) Describe in detail advanced coating techniques used in industry? 6
- 4 (a) What are the advantages and disadvantages of parenteral preparations? 4
(b) Explain production facilities required for the manufacture of small volume parenterals? 10
OR
(c) Explain methods of manufacture of eye ointments? What are the labelling instructions required for ophthalmic preparations? 9
(d) Write a note on parenteral emulsion? 5
- 5 (a) What are the different types of aerosols? Mention the advantages and disadvantages? 5
(b) Describe propellants used in aerosols? Add a note on pharmaceutical applications of aerosols? 9
OR
(c) Explain glass as a pharmaceutical packaging system? What are the quality control tests performed for glass containers? 9
(d) What are the incompatibilities observed between preservatives and containers? 5
