

FACULTY OF PHARMACY**B. Pharmacy 3/4-Year I-Semester (Non-CBCS)(Backlog) Examination, July 2019****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 antioxidants and diluents for pharmaceutical formulations? 7
(b) Classify hydrocolloids? Write a note on any two hydrocolloids used in pharmaceutical formulations? 7
OR
(c) Describe any two filling methods of hard gelatin capsules? 8
(d) Describe evaluation tests for soft gelatin capsules? 6
- 2 (a) Define suspensions? How will you formulate a suspension? what are the factors affecting formulation of a suspension? 10
(b) Discuss in brief the rheology of suspensions? 4
OR
(c) Define emulsion? How will you evaluate shelf life of an emulsion? 6
(d) Describe evaluation of an emulsion and add a note on multiple emulsion? 8
- 3 (a) Why coating of tablets required? Classify various types of coating? 6
(b) Explain film coating defects? 8
OR
(c) Classify different types of tablets? Mention the components of chewable tablet? 6
(d) What are various problems encountered during compression of a tablet? 8
- 4 (a) Classify parenterals? What do you mean by BFS (Blow fill seal) and FFS (form fill seal) technology? 6
(b) Explain evaluation tests for sterile powders? 8
OR
(c) Explain methods of manufacture of eye drops? What are the labelling instructions required for ophthalmic preparations? 9
(d) Write a note on parenteral suspension? 5
- 5 (a) What are the manufacturing methods of aerosols? Mention the advantages and disadvantages? 9
(b) Explain packaging of aerosols? 5
OR
(c) Explain metal as a pharmaceutical packaging system? What are the quality control tests performed for metal containers? 6
(d) Write a note on incompatibility of drugs and containers with examples? 8
