

**FACULTY OF PHARMACY**

**B. Pharmacy V-Semester (CBCS) (Backlog) Examination, March 2021**

**Subject: Pharmaceutical Technology – I (Pharmaceutics – II)**

**Time: 2 Hours**

**Max. Marks: 70**

**Note: Answer any four questions.**

**(4 x 17 ½ = 70 Marks)**

1. (a) Explain rotary die process for manufacture of gelatin capsules.  
(b) Classify antioxidants with suitable examples. Write their mechanism of action.
2. (a) Write in detail evaluation of hard gelatin capsules.  
(b) Classify surfactants with examples. Enlist their applications.
3. (a) Write in detail evaluation of suspensions.  
(b) Write a note on multiple emulsions.
4. (a) Explain reasons for emulsion instability.  
(b) Compare flocculated and deflocculated suspension.
5. (a) List the excipients used in tablet manufacture. Explain their role.  
(b) Explain defects in film coating.
6. (a) Explain defects in tablet manufacture and methods to overcome them.  
(b) Enlist reasons for tablet coating. Write about different types of tablet coating.
7. (a) Write in detail about air control in sterile area.  
(b) Mention five important criteria in the formulation of eye drops. Add a note on formulation of eye ointment.
8. (a) Write in detail evaluation tests for parental products.  
(b) Explain the formulation of eye drops.
9. (a) Define aerosols. What is the role of propellants in aerosols. Classify propellants.  
(b) Explain the role of plastic containers in packaging of dosage forms.
10. (a) Write in detail evaluation of aerosols.  
(b) Classify glass containers. Write about the reaction of glass containers with liquid dosage forms.

\* \* \*