

B. Pharm. Fifth Semester
35161 : Pharmaceutics - III : T-5.1

P. Pages : 1

Time : Three Hours



AU - 0676

Max. Marks : 60

- Notes :
1. All question carry equal marks.
 2. Answer **any five** question.
 3. Illustrate your answer necessary with the help of neat sketches.

1. Explain in detail about preformulation. Explain polymorphism and its importance in preformulation. 12
2. a) Write formulation and evaluation of emulsion. 6
 b) What is bioavailability. How physical properties of drug affect it. 6
3. Write in detail about drug regulatory affair related to the new drug application. 12
4. a) Define and classify semi solid dosage form with suitable examples. 6
 b) Write in detail about formulation of suspension. 6
5. What are aerosols. Explain formulation, evaluation and application of aerosols. 12
6. Write a note on following **any two**. 12
 a) Ophthalmic preparations-requirements and formulations.
 b) Stability study protocol for pharmaceutical products.
 c) Packaging of liquid dosage forms.
7. a) Describe in brief about aerosol assembly. 6
 b) Define ointment. Discuss in detail about various ointment bases. 6
