

Subject Code: B133103/R13**SET-I****III B.Pharmacy I Semester Regular/Supplementary Examinations, Oct/Nov - 2017****PHARMACEUTICAL TECHNOLOGY – I****Time: 3 hours****Max. Marks: 70**Note: 1. Question Paper Consists of two parts (**Part-A** and **Part-B**)2. Answering the question in **Part-A** is Compulsory,3. Answer any **THREE** Questions from **Part-B**

PART-A

1. (a) Define Bioavailability and recemization .
- (b) What are Stabilizers with examples?
- (c) Write a note on ideal requirements of Suppositories Bases.
- (d) Write a note on pharmaceutical applications of Aerosols.
- (e) Write short note on Principal Surfactants used in Shampoos.
- (f) Explain role of Bromo mixtures in Lipsticks preparation.

[4+3+4+4+3+4]

PART-B

2. (a) Explain about stability testing of Pharmaceuticals as per ICH guidelines.
- (b) Write a note on partical size, solubility and polymerization and its significance in Preformulations. [10+6]
3. (a) Define Emulsions. Explain the formulation and preparation methods for Emulsions.
- (b) Write a note on various additives used in liquid dosage forms. [10+6]
4. (a) Write in detail mechanism of drug penetration on skin.
- (b) Explain the method of preparation for suppositories.
- (c) Discuss about evaluation tests for semi solid dosage forms. [5+5+6]
5. (a) Write a note on propellants used in Aerosols with examples.
- (b) Write a short note on contact lense solutions.
- (c) Discuss about evaluation tests for ophthalmic eye drops. [6+5+5]
6. (a) Write a note on formulation and packing of face powders.
- (b) Write a note on Depilatories.
- (c) Write briefly on All purpose cream. [6+5+5]
7. (a) Explain in detail about formulation and evaluation of Tooth paste.
- (b) Write a note on formulation and evaluation of Lipsticks. [8+8]
