

III B. Pharmacy I Semester Supplementary Examinations, May - 2019
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) How do organoleptic properties of a drug affect formulation? (4M)
- b) Write the evaluation procedures used for clear liquids. (4M)
- c) What is a suspending agent? Classify them with examples. (3M)
- d) Write in brief on metered dose inhaler. (4M)
- e) Write ideal characteristics of an ophthalmic preparation. (3M)
- f) Write in brief on nail polish. (4M)

PART -B

2. a) Discuss the role of particle size, wettability and density on formulation of a drug. (9M)
- b) Explain the stability testing procedures for suspension as per ICH guidelines. (7M)
3. a) Write in detail on emulsifiers. (8M)
- b) Explain the procedure used for preparation of an emulsion. (8M)
4. a) What are semisolid dosage forms? Write in detail on bases used for preparation of semisolid formulations. (10M)
- b) Explain the manufacturing process, packaging and evaluation of clear gels. (6M)
5. a) With a neat sketch identify various components of aerosol. Write in detail on containers. (8M)
- b) Write a note on types of aerosol systems. (8M)
6. Write the manufacturing process, packaging and evaluation of (16M)
(a) Shampoo (b) Tooth paste
7. Write the manufacturing process, packaging and evaluation of (16M)
(a) Baby powder (b) lipstick