

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 **FOUR** Questions from **Part-B**
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PART -A

1. a) What is stability testing? (2M)
- b) Differentiate emulsifier and solubilizer. (2M)
- c) What is a prodrug? (2M)
- d) Differentiate clear gel and ointment. (2M)
- e) What is a nebulizer? (2M)
- f) Write about various vehicles used in liquid dosage forms. (2M)
- g) What is the significance of fluoride in tooth paste? (2M)

PART -B

2. a) Discuss the role of particle size and dielectric constant on formulation of a drug. (7M)
- b) Explain the stability testing procedures for capsules as per ICH guidelines. (7M)
3. a) Define suppositories and explain their manufacturing and packaging procedures. (7M)
- b) Explain the evaluation tests of suspensions. (7M)
4. a) Classify bases used for semi solid dosage forms with examples. Discuss the ideal requirements of a semi solid base. (5M)
- b) Explain the manufacturing process, packaging and evaluation of ointment. (9M)
5. a) Explain the filling procedure in the Pharmaceutical aerosols. (7M)
- b) Explain the evaluation tests of ophthalmic formulations. (7M)
6. Write the formulation, preparation and packaging of (14M)
(a) Hair remover (b) vanishing cream
7. Write the formulation, preparation and packaging of (14M)
(a) Baby powder (b) Nail polish