

GUJARAT TECHNOLOGICAL UNIVERSITY
PHARM.D YEAR-1 EXAMINATION – SUMMER - 2025

Subject Code: 818802**Date: 31-05-2025****Subject Name: Pharmaceutics****Time: 10 : 30 AM TO 1 : 30 PM****Total Marks: 70****Instructions:**

- 1. Attempt any five questions.**
- 2. Make suitable assumptions wherever necessary.**
- 3. Figures to the right indicate full marks.**

- Q.1** (a) Explain history of Pharmacy profession and discuss its development phases in detail. **06**
(b) Discuss about development of Indian Pharmacopoeia. **04**
(c) Write a note on Surgical aids. **04**
- Q.2** (a) Give detailed classification of Dosage forms. **06**
Define: Powder, Tablet, Granules, Suppositories
(b) What is Posology? What are the factors affecting selection of dose? **04**
(c) Define Prescription and explain its parts in detail. **04**
- Q.3** (a) Define Insufflations, Eutectic Powders and Explosive powders with their method of preparations. **06**
(b) Write a note on advantages, disadvantages and applications of Pharmaceutical Powder. **04**
(c) Write a note on calculation of proof spirit and isotonic solutions. **04**
- Q.4** (a) Explain advantages and disadvantages of Emulsion. Discuss the tests for the type of emulsion? **06**
(b) Define suspension and explain evaluation tests for the same. **04**
(c) Define emulsion. Discuss about stability of emulsions in detail. **04**
- Q.5** (a) Write a note on Physical Incompatibility with examples. **06**
(b) Define Incompatibility. Explain any one therapeutic Incompatibility. **04**
(c) What are the methods to overcome incompatibility due to precipitation by chemical reaction? **04**
- Q.6** (a) Define Decoction, Maceration and Percolation. Explain method of preparation of spirits and tinctures. **06**
(b) Differentiate liniment and lotion. **04**
(c) Define gargles, douches, mouth wash, eye drops, sutures, ligatures, sponge and surgical dressings. **04**
- Q.7** (a) Explain Displacement value for Suppositories giving suitable example. **06**
(b) Write a note on suppository bases. **04**
(c) Explain methods of preparation of Suppositories in detail. **04**
