

GUJARAT TECHNOLOGICAL UNIVERSITY
B.Ph. - SEMESTER– VII • EXAMINATION – SUMMER -2025

Subject Code:2270002**Date:17/05/2025****Subject Name: Pharmaceutical Technology I****Time: 02:30PM TO 05:30PM****Total Marks: 80****Instructions:**

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

- Q.1** (a) Classify liquid dosage form. Discuss its advantages and disadvantages. **06**
- (b) Discuss factors affecting drug penetration through skin for semisolid dosage form. **05**
- (c) Write a note on additives used in liquid dosage form. **05**
- Q.2** (a) Differentiate flocculated and deflocculated suspension. **06**
- (b) Classify suppository bases and discuss them in brief. **05**
- (c) Discuss Blow Fill Seal technology for manufacturing of parenterals. **05**
- Q.3** (a) Discuss preparation and quality control test for water for injection. **06**
- (b) Define sterile dosage form. Discuss formulation of sterile dosage form. **05**
- (c) Differentiate cold cream and vanishing cream. **05**
- Q.4** (a) Enumerate evaluation parameters for sterile dosage form. Explain Sham test and LAL test. **06**
- (b) Explain water attack test and powdered glass test. **05**
- (c) Discuss evaluation parameters for aerosol. **05**
- Q.5** (a) Explain parts of aerosol container with well labelled diagram. **06**
- (b) Write a note on ophthalmic dosage form. **05**
- (c) Explain manufacturing process of pharmaceutical aerosols. **05**
- Q. 6** (a) Discuss formulation for sunscreen and moisturizers. **06**
- (b) Write a short note on Shampoo. **05**
- (c) Discuss the premises facility requirements as per GMP. **05**
- Q.7** (a) Discuss importance of Documentation in GMP. **06**
- (b) Write a short note on baby care products. **05**
- (c) Write a short note on SOP. **05**