

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM - SEMESTER– 7 EXAMINATION – WINTER -2024

Subject Code: 2270002**Date: 22-11-2024****Subject Name: Pharmaceutical Technology I****Time: 10.30 AM TO 01.30 PM****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) Define Aerosols. Describe in detail of propellants use in pharmaceutical Aerosols. **06**
(b) Describe the premises facility requirements as per GMP. **05**
(c) Short note on “Pre-filled syringes” **05**
- Q.2** (a) Outline the design and requirements for production area of sterile products. **06**
(b) Discuss in brief suppository bases & classify them. **05**
(c) Discuss the evaluation parameters of Aerosols **05**
- Q.3** (a) What are the sources of contamination & methods of prevention in sterile dosage formulations? **06**
(b) Classify routes of drug penetration through skin. Discuss factors influencing penetration of drugs through skin. **05**
(c) Write a short note on SOP. **05**
- Q.4** (a) Write a brief note on formulation of ophthalmic dosage form. Discuss ocular inserts. **06**
(b) Write a brief note on baby care products. **05**
(c) Enlist the quality control tests for injectables. Explain rabbit test and LAL test. **05**
- Q.5** (a) Define Validation. Write a note on validation of steam sterilisation. **06**
(b) Write a note on “Recovery & Reprocessing.” **05**
(c) Describe filling techniques of Aerosol. **05**
- Q.6** (a) Give the classification of Liquid dosage form. Discuss various excipients used for liquid dosage form. **06**
(b) Differentiate Vanishing cream and Cold cream. **05**
(c) Write a note on FFS technology. **05**
- Q.7** (a) Classify different types of glass as per USP. Describe water attack test in detail. **06**
(b) Discuss formulation components of Lipstick with its use. **05**
(c) Write a note on dentifrices. **05**
