

GUJARAT TECHNOLOGICAL UNIVERSITY
B.PHARM – SEMESTER –1 EXAMINATION – SUMMER-2024

Subject Code: BP103TP**Date: 12/06/2024****Subject Name: Pharmaceutics I****Time: 02.30 p.m. to 5.30 p.m.****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 prescription and discuss the handling of it. | 06 |
| | (b) What are the possible sources of errors while compounding in prescription? | 05 |
| | (c) Give details on the different parts of prescription in detail. | 05 |
| Q.2 | (a) Discuss the types of systems for weight and measures. | 06 |
| | (b) Define Posology and discuss the different methods for dose calculations. | 05 |
| | (c) What is the difference between Liniment and lotion? | 05 |
| Q.3 | (a) Give the difference between hygroscopic powders and eutectic mixtures. | 06 |
| | (b) Comment on the following. | 05 |
| | 1. 'Shake well before use' is a labeling requirement for biphasic liquid formulations. | |
| | 2. Syrup IP is self-preservative. | |
| | (c) Discuss the techniques of solubilisation. | 05 |
| Q.4 | (a) Discuss the advantages and disadvantages of liquid dosage forms. | 06 |
| | (b) Discuss the labeling requirements of liniments, nasal drops, lotions, suppositories, ointments. | 05 |
| | (c) Define pharmaceutical incompatibility. Explain physical incompatibility with examples. | 05 |
| Q.5 | (a) Give the difference between flocculated and deflocculated suspension. | 06 |
| | (b) Define the term 'displacement value' with example. | 05 |
| | (c) Write a note on suppository bases. | 05 |
| Q. 6 | (a) Define emulsion and discuss the methods of preparation. | 06 |
| | (b) Give the difference between ointment and paste. | 05 |
| | (c) Discuss the evaluation parameters for suspension. | 05 |
| Q.7 | (a) Give the difference between cream and gels. | 06 |
| | (b) Classify the pharmaceutical dosage forms. | 05 |
| | (c) Write the labeling requirements for ointments, gargles, throat paints, elixirs, and eutectic powder mixtures. | 05 |
