

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.PHARM – SEMESTER – 1 EXAMINATION – SUMMER-2025**

**Subject Code: BP103TP****Date: 21-06-2025****Subject Name: Pharmaceutics I****Time: 02:30 PM TO 05:30 PM****Total Marks: 80****Instructions:**

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

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|-------------|---|-----------|
| <b>Q.1</b>  | (a) Explain pharmacy as a carrier.  | <b>06</b> |
|             | (b) Write a note on errors in prescription.   | <b>05</b> |
|             | (c) Give details on the different parts of prescription in detail.                                  | <b>05</b> |
| <b>Q.2</b>  | (a) Define Posology. Explain various formula used for calculating the dose for Children.            | <b>06</b> |
|             | (b) Differentiate lotion and liniments.   | <b>05</b> |
|             | (c) Discuss the formulation of elixir and linctuses.  | <b>05</b> |
| <b>Q.3</b>  | (a) Differentiate the syrup I.P and Syrup U.S.P.  | <b>06</b> |
|             | (b) Discuss method of preparation of Effervescent powder.   | <b>05</b> |
|             | (c) Discuss the advantages and disadvantages of liquid dosage forms.                                | <b>05</b> |
| <b>Q.4</b>  | (a) Discuss the labeling requirements of liniments, nasal drops, lotions, suppositories, ointments. | <b>06</b> |
|             | (b) Discuss the techniques of solubilisation.   | <b>05</b> |
|             | (c) Define : i) Gargle ii) Throat paint   | <b>05</b> |
| <b>Q.5</b>  | (a) Write a note on suppository bases.  | <b>06</b> |
|             | (b) Define the term 'displacement value' with example.  | <b>05</b> |
|             | (c) Give the difference between flocculated and deflocculated suspension.                           | <b>05</b> |
| <b>Q. 6</b> | (a) Comment on the following.   | <b>06</b> |
|             | 1. 'Shake well before use' is a labelling requirement for biphasic liquid formulations.             |           |
|             | 2. Syrup IP is self-preservative.   |           |
|             | (b) Discuss the evaluation parameters for suspension.   | <b>05</b> |
|             | (c) Write a note on Nasal drops and Ear drops.  | <b>05</b> |
| <b>Q.7</b>  | (a) Classify the pharmaceutical dosage forms.   | <b>06</b> |
|             | (b) Differentiate Cream and Paste.  | <b>05</b> |
|             | (c) Write a note on physical type of incompatibility with suitable examples                         | <b>05</b> |

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