

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.Pharm- SEMESTER– I• EXAMINATION – WINTER -2023**

**Subject Code:BP103TP****Date: 05/02/2024****Subject Name: Pharmaceutics-I****Time:10:30 AM to 1:30 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) Discuss the Pharmacy as career.  | <b>06</b> |
|             | (b) Draw an ideal prescription with labeling of all the parts of prescription.   | <b>05</b> |
|             | (c) Write a note on errors in writing and reading prescription.  | <b>05</b> |
| <b>Q.2</b>  | (a) Discuss the factors affecting posology.  | <b>06</b> |
|             | (b) If a bottle contains 80 units of a drug/ml. how many ml a patient should take to get a dose of 120 units? If the bottle contains 10 ml total volume of drug solution. How many days supply will the patient had if she uses 120 units daily? | <b>05</b> |
|             | (c) Differentiate lotion and liniments.  | <b>05</b> |
| <b>Q.3</b>  | (a) Comments: (i) Syrup is self preservative.(ii) Indiffusible mixture require suspending agent.   | <b>06</b> |
|             | (b) Discuss the formulation of elixir and linctuses.   | <b>05</b> |
|             | (c) Differentiate the syrup I.P and Syrup U.S.P.   | <b>05</b> |
| <b>Q.4</b>  | (a) Classify ointment base and discuss any one in detail. Classify methods to prepare ointment.  | <b>06</b> |
|             | (b) Write a note on dusting powders.   | <b>05</b> |
|             | (c) Differentiate cream and paste.   | <b>05</b> |
| <b>Q.5</b>  | (a) Discuss the labeling requirement for Gargles, eye drops and throat paints.   | <b>06</b> |
|             | (b) Calculate the volume of each of 90%, 60%, 30% and water are required to produce 500 ml of 50% alcohol.   | <b>05</b> |
|             | (c) Differentiate: flocculated and deflocculated suspension.   | <b>05</b> |
| <b>Q. 6</b> | (a) Write a note on physical type of incompatibility with suitable examples.   | <b>06</b> |
|             | (b) Define suppositories. Classify suppository bases discuss any one in detail.  | <b>05</b> |
|             | (c) Define displacement value. Discuss methods to prepare suppositories.   | <b>05</b> |
| <b>Q.7</b>  | (a) What are the types of emulsion? Explain the identification test for emulsion.  | <b>06</b> |
|             | (b) Discuss throat paints and enemas.  | <b>05</b> |
|             | (c) Write a note on nasal drops and Ear drops.   | <b>05</b> |

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