

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**D.Ph. – SECOND YEAR– • EXAMINATION – SUMMER-2017**

**Subject Code:420001****Date:27/04/2017****Subject Name:Pharmaceutics II****Time: 02:30PM TO 5:30PM****Total Marks: 80****Instructions:**

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

- |             |   |           |
|-------------|---|-----------|
| <b>Q.1</b>  | (a) Define Prescription? Describe various parts of a Prescription.  | <b>06</b> |
|             | (b) Define posology. Explain the various factors affecting dose of drugs.   | <b>05</b> |
|             | (c) Classify incompatibilities. Discuss Physical incompatibilities.   | <b>05</b> |
| <b>Q.2</b>  | (a) Define and classify powders. Give advantages and disadvantages of powders.                                      | <b>06</b> |
|             | (b) Explain briefly about Effervescent Powders.   | <b>05</b> |
|             | (c) Differentiate between Flocculated and Deflocculated suspension.   | <b>05</b> |
| <b>Q.3</b>  | (a) Explain advantages and disadvantages of Liquid Dosage Forms.  | <b>06</b> |
|             | (b) Write a note on coloring agents used for pharmaceutical products.   | <b>05</b> |
|             | (c) Write in detail about advantages, disadvantages and method of preparations of syrup.                            | <b>05</b> |
| <b>Q.4</b>  | (a) Define emulsion. Discuss the methods for preparation of emulsion.   | <b>06</b> |
|             | (b) Describe various Tests for Identification of the type of Emulsion   | <b>05</b> |
|             | (c) Give short note on Enemas.  | <b>05</b> |
| <b>Q.5</b>  | (a) Give advantages and disadvantages of cocoa butter as suppository base.  | <b>06</b> |
|             | (b) Write a note on cream.  | <b>05</b> |
|             | (c) Write a note on formulation of dentifrices.   | <b>05</b> |
| <b>Q. 6</b> | (a) Classify ointment bases. Give properties of an ideal ointment base.   | <b>06</b> |
|             | (b) Differentiate: Paste and Jellies  | <b>05</b> |
|             | (c) Explain methods of preparation of suppository.  | <b>05</b> |
| <b>Q.7</b>  | (a) Define and Classify Parenteral Dosage Forms. Enlist various Routes of administration of Parenteral Dosage Form. | <b>06</b> |
|             | (b) Give short note on sterility testing.   | <b>05</b> |
|             | (c) Explain formulation, labelling and packaging requirement of eye drops.  | <b>05</b> |

\*\*\*\*\*