

Seat No.: \_\_\_\_\_

Enrolment No. \_\_\_\_\_

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**Pharm D – Year- I • EXAMINATION – SUMMER - 2022**

**Subject Code: 818802**

**Date: 21/07/2022**

**Subject Name: Pharmaceutics**

**Time: 10:30AM TO 1:30PM**

**Total Marks: 70**

**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) Define Posology. Explain various formula used for calculating the dose for children. | <b>06</b> |
|             | (b) Write History and development of Pharmacy Profession.                                | <b>04</b> |
|             | (c) Discuss factors Affecting Dose selection.  | <b>04</b> |
| <b>Q.2</b>  | (a) Define powders, gives its merits and demerits. Explain dusting powder.               | <b>06</b> |
|             | (b) Discuss method of preparation of Effervescent powder.                                | <b>04</b> |
|             | (c) Define Prescription. Discuss Various parts of Prescription.                          | <b>04</b> |
| <b>Q.3</b>  | (a) Classify Dosage forms. Define: Tablets, Syrup, Powder Suspension, Emulsion.          | <b>06</b> |
|             | (b) Write a note on stability of emulsion.   | <b>04</b> |
|             | (c) Enlist various evaluation tests for emulsion and discuss in details.                 | <b>04</b> |
| <b>Q.4</b>  | (a) Write a note on evaluation tests for Suspension.                                     | <b>06</b> |
|             | (b) Define the term Infusion, Decoction, Tinctures and Spirits.                          | <b>04</b> |
|             | (c) Discuss Advantages and disadvantages of Powder.                                      | <b>04</b> |
| <b>Q.5</b>  | (a) Differentiate between liniment and lotion.   | <b>06</b> |
|             | (b) Define Suppositories. Write advantages and disadvantages of Suppositories.           | <b>04</b> |
|             | (c) Differentiate between percolation and maceration.                                    | <b>04</b> |
| <b>Q. 6</b> | (a) Write a note on Displacement value giving suitable example.                          | <b>06</b> |
|             | (b) Discuss types of base used in Suppositories.   | <b>04</b> |
|             | (c) Write a short note on Surgical aids.   | <b>04</b> |
| <b>Q.7</b>  | (a) Discuss percentage solutions & isotonic solutions.                                   | <b>06</b> |
|             | (b) Define Incompatibility. Enumerate various types of Physical Incompatibility.         | <b>04</b> |
|             | (c) Give the remedy to overcome incompatibility due to liquefaction.                     | <b>04</b> |

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