

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**Pharm D – 1<sup>st</sup> Year • EXAMINATION – WINTER - 2022**

**Subject Code: PHARMACEUTICS****Date: 25/01/2023****Subject Name: 818802****Time: 10:30 AM TO 01:30 PM****Total Marks: 70****Instructions:**

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

- Q.1** (a) Who publishes Indian Pharmacopoeia? Give history of development of Indian Pharmacopoeia. **06**  
(b) Define Dosage form and give its classification. **04**  
(c) Write a short on percolation. **04**
- Q.2** (a) Define prescription. Discuss different parts of it. **06**  
(b) Differentiate between mouthwashes and gargles. **04**  
(c) Write a short note on Effervescent granules. **04**
- Q.3** (a) What is incompatibility? Discuss chemical incompatibility in detail. **06**  
(b) What are prescription errors and how to minimize them? **04**  
(c) Define powders and classify it. Gives its merits and demerits. **04**
- Q.4** (a) What are the problems encountered during manufacturing and dispensing of powders including eutectic powders. **06**  
(b) Define and classify Monophasic liquid dosage form **04**  
(c) Differentiate between O/W emulsion and W/O emulsion. **04**
- Q.5** (a) Discuss different identification tests for Emulsion. **06**  
(b) Define Posology. Explain various formula used for calculating the dose for Children. **04**  
(c) Discuss the reasons for Therapeutic incompatibility. **04**
- Q. 6** (a) Give history of development of United state Pharmacopoeia. **06**  
(b) Write a note on career opportunities after pharmacy graduation. **04**  
(c) How many grams of phenol should be used to prepare 240 gm of 5% (w/w) solution in water? **04**
- Q.7** (a) Explain in brief about bases used in preparation of Suppositories. **06**  
(b) Define a) syrup b) Elixir c)Throat paint d) Enemas **04**  
(c) Enlist various advantages and disadvantages of suspension. **04**

\*\*\*\*\*