

GUJARAT TECHNOLOGICAL UNIVERSITY
PHARM.D YEAR-1 EXAMINATION – WINTER - 2024

Subject Code: 818802**Date: 04-12-2024****Subject Name: Pharmaceutics****Time: 10 : 30 AM TO 1 : 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) Enumerate the types of incompatibilities. Explain any one type in detail. **06**
(b) Explain in brief about 'Eutectic Powders' with examples. **04**
(c) Describe the different formulas for calculating doses for children. **04**
- Q.2** (a) What do you mean by 'Posology'? Explain the various factors affecting the dose selection. **06**
(b) Classify the different Pharmaceutical dosage forms. **04**
(c) Define: (i) Infusion (ii) Maceration (iii) Decoction (iv) Percolation **04**
- Q.3** (a) Define Suppositories. Describe the ideal features of the suppository bases. **06**
(b) Define Prescription and explain the various parts of prescription. **04**
(c) State the application of 'Dusting Powder' and provide two examples of it. **04**
- Q.4** (a) Define Emulsion. Explain in detail the various tests for the identification of the type of emulsion. **06**
(b) Explain in brief about 'Throat paint' with examples. **04**
(c) State the difference between simple and compound powders with examples. **04**
- Q.5** (a) Write a detailed note on 'Percolation techniques of extraction'. **06**
(b) Describe the remedies for any one type of pharmaceutical incompatibility with examples. **04**
(c) Mention the applications of liniments and lotions. **04**
- Q.6** (a) State the various advantages and disadvantages of suspension dosage forms. **06**
(b) Enlist the methods of preparations of suppositories and explain any one method in brief. **04**
(c) Write a note on 'Stabilizers' as a pharmaceutical adjuvant to the formulation. **04**
- Q.7** (a) Write a note on 'Surgical dressings'. **06**
(b) What is 'Indian Pharmacopoeia'? State various applications of it. **04**
(c) Write a note on the history and development of the Pharmacy profession and the Pharmaceutical industry in India. **04**
