

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B.Pharm. SEMESTER- I • EXAMINATION – WINTER -2022**

**Subject Code: BP103P****Date: 05/04/2023****Subject Name: Pharmaceutics I****Time: 10:30am to 01:30pm****Total Marks: 80****Instructions:**

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

Q.1 (a)	Define Prescription. Explain brief sources of errors in Prescription.	06
(b)	Write a short note on IP.	05
(c)	Explain Pharmacy as a career.	05
Q.2 (a)	Define Posology. Write a note on factors affecting dose calculation.	06
(b)	Write the equations for the dose calculation with respect to age, body weight and surface area.	05
(c)	What is eutectic? When is it formed? What problems are associated with formulation of eutectic mixture?	05
Q.3 (a)	Define incompatibility. Explain Physical incompatibility with suitable examples.	06
(b)	Explain tolerated and adjusted incompatibility with suitable examples.	05
(c)	Discuss the Importance of Determining Incompatibility	05
Q.4 (a)	Define ointment. Give the ideal properties of ointment base.	06
(b)	Explain Displacement value with example.	05
(c)	Define suppository. Write advantages and disadvantages of it.	05
Q.5 (a)	Define emulsion. Write a short note on identification test of determine types of emulsions.	06
(b)	Explain stability of emulsion.	05
(c)	Discuss in detail Gargle and Mouthwash	05
Q.6 (a)	Define and classify Mixtures. Explain any two in detail.	06
(b)	Write a short notes on Vehicle used in Mixture.	05
(c)	Differentiate Diffusible and Indiffusible mixtures	05
Q.7 (a)	Define solubilisation. What are the various methods of solubilisation?	06
(b)	What is a cream? Classify the same and write note on preparing the cream.	05
(c)	Describe in detail Throat paint and Linctus.	05

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