

**Sub Code: BP103T**

**B PHARM (SEM-I)  
THEORY EXAMINATION 2021  
PHARMACEUTICS -I**

**Time: 3 Hours Total Marks: 75**

**Note: Attempt all Sections.**

**SECTION A**

**Very Short Answer (Attempt all questions)  
10 x 2 = 20**

- Define prescription.
- In which year does the most recent edition of Indian Pharmacopoeia has been published lately and how many volumes does this latest edition contain?
- Who is considered as the father of pharmacy education in India?
- When a solution can be termed as isotonic?
- Name one anti-microbial preservative and an antioxidant used in liquid dosage forms.
- What do you mean by the term "Self-Preserving"? Give two examples of self-preserving dosage forms.
- Define suspension with an example.
- Define suppository with an example.
- What is therapeutic incompatibility?
- Give examples of two ointment bases.

**SECTION B**

**Short Answer (Attempt any 5 questions)  
5 x 7 = 35**

- Write a short note on parts of a prescription with a suitable example of a model

prescription.

b. Define the term posology. Discuss the various factors affecting Posology.

c. Calculate the amount of 75%, 65%, 45% and 35% alcohol should be mixed to get 55%

alcohol using allegation method.

d. Discuss with proper examples effervescent, efflorescent and hygroscopic powders.

e. Write a short note gargles, mouthwashes and throat paints with an example formula for each.

f. How many different types of suppository bases are there? Discuss the different methods for the evaluation of suppositories.

g. What is a gel? Discuss the methods for the evaluation of semi solid dosage forms.

**SECTION C**

**Long Answer (Attempt any 2 questions)  
2 x 10 = 20**

a. Write a detailed note history of Pharmacy in India.

b. Define emulsions. Discuss their methods of preparation, stability problems and methods to overcome these problems.

c. Discuss the mechanisms and factors influencing dermal penetration of drugs.