

**B PHARM  
(SEM-I) THEORY EXAMINATION 2018-19  
PHARMACEUTICS-I**

**Time: 3 Hours**

**Total Marks: 75**

**Note: 1.** Attempt all Sections.

**SECTION A**

- 1. Attempt *all* questions in brief. **10 x 2 = 20****
- a. Differentiate between syrups and elixirs.
  - b. Classify semi solid dosage forms with examples.
  - c. State Fried's and Clark's formula.
  - d. Define sedimentation volume.
  - e. Define Suppositories.
  - f. How co-solvent improves solubility.
  - g. Determine 80% v/v alcohol in terms of proof spirit.
  - h. List the last three editions of Indian Pharmacopoeia.
  - i. Define effervescent and efflorescent powders.
  - j. What are humectants? Give examples

**SECTION B**

- 2. Attempt any *two* parts of the following: **2 x 10 = 20****
- a. Write a descriptive note on therapeutic and physical incompatibility with examples.
  - b. Write a note on history of pharmacy.
  - c. What are different excipients used in liquid dosage forms?

**SECTION C**

- 3. Attempt any *five* parts of the following: **7 x 5 = 35****
- a. Explain various scopes of Pharmacy.
  - b. Give the formulation and method of preparation of syrup in detail.
  - c. What are different solubility enhancement techniques explain in detail.
  - d. Write the evaluation of semi-solid dosage forms.
  - e. A Pharmacist has four batch of ointment, containing 50%, 25%, 10%, and 5% of drug. How many grams of each may be used to prepare 4800g of 20% of ointment?
  - f. Define emulsions and suspensions also discuss various tests to identify the type of emulsion.
  - g. What is posology? What are the various factors affecting posology.