

**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.