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

**Time: 3 Hours****www.aktupreviousyearpaper.in****Total Marks: 75****Note: 1. Attempt all Sections.**

**SECTION A**

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

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

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**SECTION C**

- 3. Attempt any *five* parts of the following: 7 x 5 = 35**
- Explain various scopes of Pharmacy.
  - Give the formulation and method of preparation of syrup in detail.
  - What are different solubility enhancement techniques explain in detail.
  - Write the evaluation of semi-solid dosage forms.
  - 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?
  - Define emulsions and suspensions also discuss various tests to identify the type of emulsion.
  - What is posology? What are the various factors affecting posology.