

PHARMACEUTICS - I (GUESS PAPER 2025-26)

Subject Code: BP103T

Max Marks: 75 Time: 3 Hours

SECTION A (10 x 2 = 20 marks)

Attempt all questions in brief:

1. Define dosage forms.
2. Differentiate between syrups and elixirs.
3. Write Fried's and Clark's formula.
4. Define proof spirit.
5. What is an emulsion?
6. Define suppositories.
7. What are hygroscopic and efflorescent powders?
8. Define sedimentation volume.
9. What are humectants? Give examples.
10. Write any two examples of gelling agents.

SECTION B (2 x 10 = 20 marks)

Attempt any two:

1. Explain pharmaceutical incompatibilities with examples.
2. Write a detailed note on preparation and evaluation of ointments.
3. Discuss solubility enhancement techniques in detail.
4. Describe emulsions - methods of preparation, stability problems, and their remedies.

SECTION C (5 x 7 = 35 marks)

Attempt any five:

1. Write a short note on prescription - its parts and handling.
2. Explain different factors affecting posology with suitable examples.
3. Classify and discuss semi-solid dosage forms.
4. Describe the formulation and method of preparation of syrups.
5. Explain various types and identification tests of emulsions.

6. Write a note on effervescent, hygroscopic, and eutectic powders.
7. Describe the preparation and evaluation parameters of suppositories.
8. Discuss the development and scope of pharmacy as a profession in India.

High-Repetition Topics (Most Likely to Come)

Topic	Times Repeated (2019-25)
Emulsions - preparation, stability & identification	6/6
Posology (definition, factors, formulas)	6/6
Syrups - formulation & method	5/6
Suppositories - preparation & evaluation	5/6
Semi-solid dosage forms (ointment, cream, gel)	5/6
Incompatibilities (types & examples)	4/6
Solubility enhancement techniques	4/6
Powders (types, effervescent & hygroscopic)	4/6
Prescription & its parts	4/6
History & scope of pharmacy	4/6