

INDIRA UNIVERSITY, PUNE

SCHOOL OF PHARMACY- BPHARM

Backlog Examination (2025 Pattern) April/ May – 2026 - Semester – I

Subject Name: Pharmaceutics-I
Subject Code: BP103T

Max. Marks: 75
Time: 3 Hours

Instructions

- All questions are compulsory. Write two sections on separate answersheets.
 - Draw neat diagrams wherever applicable
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Section : I

Q.1 Solve any FIVE from the following

15 Marks

- Describe the importance and significance of IP.
- Calculate how to prepare 500 ml of 50% alcohol from 90% alcohol?
- Describe in short National formulary of India.
- Differentiate between lotions and liniments.
- Explain properties of ideal suppository bases.
- Define Monophasic liquid dosage forms. Why syrups are self-preservatives?
- Discuss in short: factors affecting dose selection.

Q.2 Solve any TWO from the following

20 Marks

- Define and classify types of emulsion. Discuss methods for preparation of emulsions.

Classify powders in detail with two examples of each type of powder.
- Explain advantages and disadvantages of powder. Discuss different methods of preparation for powder .
- Define suspension. Discuss briefly the stability problems and methods to overcome the suspension.
- Define prescription. Discuss parts of prescription and handling of prescriptions.

Section : II

40 Marks

Q.3 Solve any EIGHT from the following

- a. Explain evaluation tests for Ointments and Creams.
- b. Differentiate between flocculated suspension and deflocculated suspensions.
- c. Describe Griffin's HLB value scale and its Advantages & Disadvantages.
- d. Discuss preservatives and antioxidants.
- e. Describe ear drops and nasal drops with examples.
- f. Calculate real strength of 1) 45° U.P. 2) 25° O.P
3) 50°OP 4) 75° U.P. 5) 30 °O.P
- g. Explain career opportunities in pharmacy
- h. Explain the terms Synergism and Antagonism with examples.
- i. Describe vehicles used for liquid dosage forms.
- j. Discuss why emulsions are white to creamy white.

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