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B. Pharmacy (First Semester) Examination, April-May 2026

(PCI Scheme)

(Pharmacy Branch)

PHARMACEUTICS-I

THEORY (BP103T)

Time Allowed : Three hours

Maximum Marks : 75

Note *: Question paper has* ***three*** *parts that is A, B and C. Part A has 20 objective type questions, each carry 1 mark. All questions in part A are compulsory. Part B is long answer type questions. It contains 3 questions of which, attempts any* ***two*** *questions. Each question carries 10 marks. Part C is short answer type questions. It contains 9 questions, of which attempt any seven questions. Each question carries 5 marks.*

Section-A

(Objective Type Questions) **20×1=20**

Note : *Attempt all the questions. Each question carries 1 mark.*

1. Fill in the blanks :

(i) The first edition of IP was published in year ..... .

(ii) Drugs converted to suitable form are known as .....

(iii) When two or more drugs are used in combination to increase the pharmacological action, the phenomenon is known as .....

(iv) The part of the prescription called inscription that contains .....

(v) Pediatric dose can be calculated by considering child's .....

(vi) Powders used for external use are .....

(vii) Solutions are ..... type of dosage form.

(viii) Buffering agent is also called as .....

(ix) Liniments must not be applied on the ..... skin.

(x) Suspending agent impart ..... effect to the preparation.

(xi) In conductivity test, if bulb glows on passing electric current so the type of emulsion would be .....

(xii) Simple syrup is a saturated solution of .....

(xiii) ..... method is used to manufacture suppositories.

(xiv) Cocoa butter available in ..... polymorphic forms.

(xv) In the mixing of thymol and menthol the ..... type of incompatibility occurs.

(xvi) Strategy to correct eutectic mixture formation is .....

(xvii) Generally pastes contain ..... % of insoluble solids.

(xviii) Water soluble bases are also known as .....

(xix) ..... polyols used as humectants in creams.

(xx) ..... is not a semisolid dosage form.

Section-B

(Long Answer Type Questions) **2×10=20**

Note : Attempt any two questions. Each question carries 10 marks.

2. Discuss various parts of prescription and handling of prescription.

3. Explain stability problem in suspension. Write about methods to overcome stability problem in formulation of suspension.

4. Describe various excipient used in formulation of liquid dosage form.

Section-C

(Short Answer Type Questions) **7×5=35**

Note : Attempt any seven questions. Each question carries 5 marks.

5. Discuss factors affecting posology.

6. Write note on effervescent powder.

7. Discuss various solubility enhancement technique.

8. Describe identification test of emulsion.

9. Explain various types of suppositories base.

10. Write note on physical incompatability.

11. Discuss factors influencing dermal penetration of drug.

12. Explain evaluation of semisolid dosage form.

13. Write note on eutectic mixture.