Printed Pages:01 **Sub Code: BP- 103T**

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B PHARM
(SEM I) THEORY EXAMINATION 2022-23
PHARMACEUTICS -I

Time: 3 Hours ***Total Marks: 75***

Note: Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. 10 x 2 = 20

(a) What do you mean by the term "Pharmakon"?
(b) Write Young's formula.
(c) What do you mean by percentage weight by volume solution?
(d) Define eutectic powders.
(e) Differentiate between lotion and liniment.
(f) Enlist two stability problems of suspensions
(g) Define displacement value.
(h) Give one example of therapeutic incompatibility
(i) Write two bases used for preparing pastes.
(j) Classify Semisolid dosage forms.

SECTION B

2. Attempt any *two* parts of the following: 2 x 10 = 20

(a) Write a detailed note on origin and development of pharmacy along with its scope as a profession.
(b) Define Emulsion. Classify them and discuss in detail about stability problems associated with emulsions along with the techniques to overcome.
(c) What are the various factors affecting dermal penetration? Discuss method of preparation of ointments.

SECTION C

3. Attempt any *five* parts of the following: 7 x 5 = 35

(a) What are the contents of current edition of Indian Pharmacopoeia?
(b) Define prescription. What are the various parts of prescription?
(c) Calculate the volume of each 70%, 60%, 40% and 30% alcohol be mixed to get 450 ml of 50% alcohol?
(d) Define incompatibility. Discuss physical incompatibility with few examples
(e) Classify powders. Write a note on dusting powder.
(f) What are the various tests of identification of emulsions?
(g) Discuss various evaluation tests of semisolid dosage forms.

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