



Roll No:

BPHARM
(SEM I) THEORY EXAMINATION 2024-25
PHARMACEUTICS-I

TIME: 3 HRS

M.MARKS: 75

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

SECTION A

1. Attempt *all* questions in brief.

$$10 \times 2 = 20$$

a.	What do you mean by displacement value?
b.	Name two evaluation parameters of semisolid dosage forms.
c.	Enlist two stability problems of suspensions.
d.	What do you mean by percentage weight by volume solution?
e.	Name one antimicrobial preservative and an antioxidant used in liquid dosage forms.
f.	Differentiate between lotion and liniment.
g.	Determine 90% v/v alcohol in terms of proof spirit.
h.	What are effervescent powders?
i.	Calculate the dose for a child of 5 years old whose body surface area is 1.4 m^2 and the adult dose is 80 mg.
j.	Enlist editions of the Indian Pharmacopoeia.

SECTION B

2. Attempt any *two* parts of the following:

$$2 \times 10 = 20$$

a.	Discuss the methods of preparation of emulsions, their stability problems, and methods to overcome these problems.
b.	Write a detailed note on the origin and development of pharmacy, along with its scope as a profession.
c.	Define prescription. What are the various parts of a prescription? Draw a sample for a prescription.

SECTION C

3. Attempt any *five* parts of the following:

$$7 \times 5 = 35$$

a.	Write the difference between flocculated and deflocculated suspension.
b.	What do you understand by Pharmacopoeia? Write a note on IP.
c.	Define suppositories. Explain different types of suppositories bases.
d.	Calculate the proportions of each 40%, 35%, 20%, and 10% zinc oxide ointment to be mixed to produce a 25% zinc oxide ointment.
e.	Classify powders. Write a note on dusting powder.
f.	Define incompatibility. Discuss physical incompatibility with a few examples.