



Paper ID : 253226

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Subject Code:BP103T

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BPHARM
(SEM I) THEORY EXAMINATION 2025-26
PHARMACEUTICS-I

TIME: 3 HRS

M.MARKS: 75

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

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

a.	Define Pharmacopoeia. Name any two official Pharmacopoeias.
b.	Define posology. List any two factors affecting dose.
c.	What are hygroscopic powders? Give examples.
d.	Define geometric dilution.
e.	Define monophasic liquid dosage form with one example.
f.	Discuss the different systems of weights and measures with examples.
g.	What is displacement value?
h.	What is trituration?
i.	Define semisolid dosage form with one example.
j.	What is gel? Give one example.

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

a.	What is creaming in emulsions? Classify them and discuss in detail about stability problems associated with emulsions along with the techniques to overcome.
b.	Define prescription. What are the various parts of an ideal prescription? Mention the common errors in prescription.
c.	Discuss pediatric dose calculation based on age and body surface area. Calculate the dose of a drug for a child of 6 years when adult dose is 500 mg.

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

a.	Explain the historical development of pharmacy education and industry in India. Also discuss the career opportunities in pharmacy profession.
b.	Describe classification of ointment bases and explain their ideal characteristics.
c.	What are the various factors affecting dermal penetration? Discuss method of preparation of ointments.
d.	Explain pharmaceutical incompatibilities in detail and suggest methods to prevent them.
e.	Define suspensions. Discuss formulation aspects and stability problems with suitable remedies.
f.	Discuss solubility enhancement techniques in detail.
g.	Define suppositories. Discuss types, ideal properties of bases and methods of preparation in detail.