



Paper id: 252174

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Subject Code: BP103T

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

TIME: 3 HRS**M.MARKS: 75****Note:** 1. Attempt all Sections.**SECTION A****1. Attempt all questions in brief.****10 x 2 = 20**

a.	Define dosage forms.
b.	Write Dilling's formula.
c.	Write the use of geometric dilution.
d.	Calculate the dose for a child of 5 years old whose surface area is 1.5m^2 and adult dose is 50mg.
e.	Give examples of two ointment bases.
f.	What do you understand by proof spirit?
g.	Define eutectic powders.
h.	Define isotonic solutions.
i.	Explain sedimentation volume.
j.	Define Elixirs.

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.	Discuss the mechanisms and factors influencing dermal penetration of drugs.
c.	Define Pharmaceutical incompatibilities. Explain classification, physical, chemical and therapeutic incompatibilities with examples.

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

a.	What are the common methods for preparing ointments, and what are the advantages and disadvantages of each?
b.	Give the method of preparation of syrups. Write the advantage and disadvantage of syrups.
c.	Write a short note on parts of a prescription with a suitable example of a model prescription and explain errors in prescription.
d.	Explain various solubility enhancement techniques.
e.	Define the term posology. Discuss the various factors affecting Posology.
f.	What are different types of suppository bases? Discuss different methods for the evaluation of suppositories.
g.	What are emulsifying agents? Discuss test for the identification of type of Emulsion.