



PAPER ID-410921

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BPHARMA
(SEM I) THEORY EXAMINATION 2023-24
PHARMACEUTICS I – THEORY

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.	What is an emulsion?
b.	How will you calculate pediatric dose based on age?
c.	Classify pharmaceutical powders.
d.	What do you understand by 'Imperial' and 'Metric' systems of pharmaceutical calculations?
e.	How will you prepare a nasal drop?
f.	What is dusting powder?
g.	Differentiate Flocculated and Deflocculated suspension
h.	Differentiate between simple and compound powder.
i.	What are eutectic mixtures?
j.	What are liniments and lotions?

SECTION B

2. Attempt any two parts of the following:

2 x 10 = 20

a.	Describe in brief the various solubility enhancement techniques applicable to drugs with low solubility.
b.	Mention the roles of various ingredients used in semisolid dosage form. How will you evaluate semisolid dosage form
c.	Classify pharmaceutical incompatibilities. Suggest some techniques to overcome them

SECTION C

3. Attempt any five parts of the following:

7 x 5 = 35

a.	Explain in brief history of profession of Pharmacy in India in relation to pharmacy education
b.	Explain the stability problems of suspensions. How will you overcome them?
c.	Discuss the various mechanisms and factors influencing dermal penetration of drugs.
d.	How will you identify a particular type of emulsion by various tests?
e.	Define 'displacement value' and write how it is calculated.
f.	Write a brief note on the evaluation of suppositories.
g.	Define prescription. What are the various parts of an ideal prescription? Mention the common errors in prescription.