



PAPER ID-310199

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Subject Code: BP103T

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BPHARM
(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.	Define Compendia.
b.	Write Fried's Formula.
c.	Convert 30° OP proof strength into percentage strength.
d.	Define deliquescent powders with one example.
e.	What are enemas?
f.	Name two emulsifying agents.
g.	Define mouthwash.
h.	Define incompatibility.
i.	Name two gelling agents.
j.	Name two evaluation parameters of suppositories.

SECTION B

2. Attempt any two parts of the following:

2 x 10 = 20

a.	Discuss in detail about origin and development of pharmacy profession in India. What are various career opportunities available in a pharmaceutical industry?
b.	Define Emulsion. Classify them and discuss in detail about stability problems associated with emulsions along with the techniques to overcome.
c.	Classify semisolid dosage forms. What are the various factors affecting dermal penetration? Discuss method of preparation of pastes.

SECTION C

3. Attempt any five parts of the following:

7 x 5 = 35

a.	Explain in detail about content of current edition of Indian Pharmacopoeia.
b.	Calculate the amount of dextrose needed to make 1 in 400 of 500 ml solution.
c.	In what amount should 70%, 60%, 40% and 20% alcohol be mixed to get 1200 ml of 50% alcohol?
d.	Mention the differences between flocculated and deflocculated suspension.
e.	Write a note on various bases used for preparing suppositories.
f.	Explain therapeutic incompatibility along with suitable examples.
g.	Define ointments. Explain various methods of preparing ointments