



Roll No:

BPHARM
(SEM V) THEORY EXAMINATION 2024-25
INDUSTRIAL PHARMACY 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 racemization.
b.	Define Angle of Repose.
c.	What are effervescent tablets?
d.	Write examples of two disintegrants
e.	What do you mean by Bloom Strength?
f.	Define minim per gram factor.
g.	Name two methods for sealing of ampoules.
h.	What do you understand by polymorphism?
i.	Enlist the component of Aerosol system.
j.	Define weathering of glass. <i>copy/10/24</i>

SECTION B

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

2 x 10 = 20

a.	Explain concept and importance of <u>preformulation studies</u> . Discuss preformulation parameters for conventional dosage forms.
b.	How do we classify drugs in BCS? What is the significance of BCS classification?
c.	Write short notes (i) Manufacturing defects in tablets (ii) Evaluation of Pharmaceutical Suspension

SECTION C *10/24*

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

7 x 5 = 35

a.	What are the formulation and manufacturing consideration of syrups and elixirs
b.	What are the quality control test for parentals product
c.	What are the various components of film coating solution? Briefly explain working of coating pan along with its modification
d.	What are the advantages of capsules as dosage form? Discuss in <u>detail</u> about preparation of <u>hard gelatin capsule shells</u> and various <u>filling methods</u> .
e.	Elaborate lyophilized product.
f.	Discuss formulation consideration of eye drop and eye ointment.
g.	Discuss about advantages of glass as a container. Write about official <u>quality control tests</u> of glass.