



Paper ID : 250515

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Subject Code: BP502T

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**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.	Write a note on quick breaking foam aerosols?
b.	List evaluation test for aerosols.
c.	Write a formula of cold cream?
d.	List the advantages and disadvantages of amorphous solid forms.
e.	What are hydrates and solvates give examples?
f.	What are chewable tablets? Give its advantages?
g.	Name the filling techniques of liquid orals.
h.	What do you mean by gravimetric and volumetric filling of liquid orals
i.	Define minimum per gram factors by giving formula.
j.	Write on nature of soft gelatin capsule shell.

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

a.	Explain importance of solubility, dissociation constant and partition co-efficient of drug In development of solid dosage forms.
b.	Define tablet coating, write the types of coating and explain the film coating Composition.
c.	Explain the rotary die process for manufacturing of soft gelatin capsules.

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

a.	Enlist the methods of enhancing the solubility of drugs.
b.	Discuss the steps involved in sugar coating with suitable examples of ingredients used In each step.
c.	Emphasize on different stages involved in sugar coating of a compressed tablets.
d.	Classify liquid oral. What are its ideal characteristics?
e.	Explain the challenges faced in the development of oral suspension.
f.	Explain the steps involved in manufacturing of hard gelatin capsules shells.
g.	Write the formulation and preparation clear liquid shampoo?

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