



PAPER ID-410680

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BPHARM
(SEM V) THEORY EXAMINATION 2023-24
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.	Differentiate between crystal and amorphous.
b.	Define racemization.
c.	Enlist excipients of tablet formulations.
d.	Give a flowchart of palletization process.
e.	Give examples of vehicles of parenteral products.
f.	Define eye lotion with example.
g.	Write the ingredients of lipsticks.
h.	Give principle and examples of sunscreens.
i.	Enlist materials used for packaging.
j.	Define isotonicity.

SECTION B

2. Attempt any two parts of the following:

2 x 10 = 20

a.	Describe wet granulation method of tablet formulation.
b.	Write the method of preparation of soft gelatin capsule. How soft gelatin capsules are evaluated?
c.	Classify propellants and write the properties of container and valves of aerosols.

SECTION C

3. Attempt any five parts of the following:

7 x 5 = 35

a.	Describe hydrolysis and oxidation in reference to the stability of pharmaceutical formulations.
b.	Describe various quality control parameters of tablet dosage forms.
c.	Write the formulation and evaluation considerations of syrups.
d.	Give the method of production of hard gelatin capsule shells.
e.	Give the method of preparation and evaluation parameters of eye drops.
f.	Write the principle and method of preparation of vanishing creams.
g.	Describe the stability aspects of packaging materials.