PAPER ID-310543

Subject Code: BP502T

Roll No: | | | | | | | | | | | | | |

BPHARM
(SEM V) THEORY EXAMINATION 2025-26
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.	Distinguish drugs on the basis of BCS classification.
b.	What is the difference between amorphous and crystalline drugs in terms of stability?
c.	What is the role of binders in manufacturing tablets?
d.	Write in brief about IPQC test for capsule.
e.	Differentiate between hard and soft gelatin capsules.
f.	What are different sources of pyrogen contamination?
g.	Classify all types of glass used in pharmaceutical packaging.
h.	Explain significance of isotonicity in ophthalmic preparations.
i.	State the composition parameters of sunscreens.
j.	Classify propellants used in aerosols.

SECTION B

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

a.	Described various parameters of the in-process and finished product quality control tests for coated tablets.
b.	Describe various materials used for packaging of pharmaceutical products with regards to their benefits, limitations and remedy to overcome such limitations.
c.	Classify different types of parenteral products. How are parenteral products evaluated for quality control?

SECTION C

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

a.	Amorphous or crystalline drug which will give more stable dosage form and why?
b.	Explain formulation considerations of syrups and emulsions.
c.	How will you formulate tooth paste, explain and give preparation method for the same.
d.	Discuss the in-process and finished product quality control tests for pharmaceutical aerosols based on pharmacopeia standards and specifications.
e.	Described the parameters of in-process and final product quality control tests for capsules.
f.	How are dry powders for injection prepared by lyophilization?
g.	Discuss the evaluation of ophthalmic preparation as per pharmacopoeia standards and specifications.