PAPER ID-310394

Roll No:

Subject Code: BP502T

B PHARM
(SEM-V) THEORY EXAMINATION 2020-21
INDUSTRIAL PHARMACY-I

Time: 3 Hours *Total 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.	What do you mean by preformulation studies?
b.	How are drugs classified as per BCS?
c.	What is the role of binders in manufacturing tablets?
d.	Define super-disintegrants with examples.
e.	What are the various sizes of capsules available for human use?
f.	What do you mean by Bloom Strength?
g.	Explain significance of isotonicity in parenteral formulations.
h.	Define aseptic processing.
i.	What is the function of propellants in aerosol system?
j.	Define tamper evident packaging.

SECTION B

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

a.	Discuss in detail about various tests which are generally done to maintain the quality control of tablets.
b.	What are the advantages of capsules as dosage form? Discuss in detail about various mechanisms of filling powders in hard gelatin capsules.
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.	What is the significance of pka and pH in preformulation studies?
b.	Discuss the principle and working of Rotary tablet press in detail.
c.	How is coating of tablets beneficial? Discuss working of a coating pan.
d.	Elaborate the process of manufacturing of hard gelatin capsule shell.
e.	How are dry powders for injection prepared by Lyophilization?
f.	What are the various components of Aerosol product? Explain significance of each.
g.	Discuss various quality control tests of Glass as a packaging material.

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