PAPER ID-410826

Subject Code: BP502T

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

B PHARM
(SEM V) THEORY EXAMINATION 2021-22
INDUSTRIAL PHARMACY-1

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.	List various components of pharmaceutical aerosol.
b.	Differentiate between dextrorotatory and levorotatory.
c.	What are basic steps of process of dry granulation?
d.	What are the glidants?
e.	What is deflocculated system?
f.	What are different sources of pyrogen contamination?
g.	What are the factors affecting the drug absorption from ophthalmic route?
h.	Enlist the optimizable properties of powder layering technique?
i.	Why gelatin is the most preferred shell formulating material for capsules?
j.	Which type of glass consume the least volume of acid in Powdered Glass Test?

SECTION B

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

a.	Describe various materials used for packaging of pharmaceutical products with regards to their benefits, limitations and remedy to overcome such limitations.
b.	Illustrate the rotary die process with the help of flow chart, diagram, and underlying principle.
c.	Explain the in-process and finished product quality control tests for tablet dosage form based on pharmacopoeia standards and specifications.

SECTION C

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

a.	Explain various processing problems of uncoated tablet and their remedies.
b.	Discuss the evaluation of ophthalmic preparation as per pharmacopoeia standards and specifications.
c.	Illustrate the process to prepare lyophilized parenteral products with the help of well labelled diagram.
d.	Explain equipment for manufacture of pellets with well labelled diagram.
e.	Discuss the application of pre-formulation considerations in the development of tablet dosage form with appropriate industry related case study.
f.	Discuss briefly about formulation of cold cream.
g.	Discuss the in-process and finished product quality control tests for pharmaceutical aerosols based on pharmacopeia standards and specifications.