

B PHARM
(SEM V) THEORY EXAMINATION 2022-23
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. Distinguish drugs on the basis of BCS classification.
- b. Classify tablets based on route of administration.
- c. Enlist various steps involved in pelletization process.
- d. Determine the base adsorption and minim per gram factor in capsules.
- e. Classify propellants used in aerosols.
- f. Explain significance of isotonicity in ophthalmic preparations.
- g. Enlist the methods used for preparing soft gelatin capsule.
- h. Classify all types of glass used in pharmaceutical packaging.
- i. Define preformulation studies.
- j. Define SPF.

SECTION B

2. Attempt any two parts of the following:

2 x 10 = 20

- a. Analyze the processing problems encountered during manufacturing of coated tablets and suggest remedies to resolve the same.
- b. Explain the preparation of dry powder by lyophilisation. Evaluate quality control tests for parenterals.
- c. Describe the basic components of a valve and aerosol container and broadly cite their importance.

SECTION C

3. Attempt any five parts of the following:

5 x 7 = 35

- a. Estimate various quality control tests for aerosols.
- b. Illustrate the application of preformulation studies in development of new chemical compound.
- c. Depict the manufacturing of hard gelatin capsules.
- d. Illustrate the production facilities and various control for manufacturing of parenteral dosage forms.
- e. Predict the legal and official requirements for packaging materials.
- f. Investigate the processing problem encountered during liquid preparation.
- g. Discuss different granulation method.