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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.

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