Roll No. | | | | | | | | | | | | **Total No. of Pages : 02**

Total No. of Questions : 10

B.Pharma (Sem.–8)

PHARMACEUTICS-IX (DOSAGE FORM DESIGN)

Subject Code : BPHM-801

M.Code : 72296

Date of Examination : 01-07-22

Time : 3 Hrs. **Max. Marks : 80**

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A is COMPULSORY consisting of FIFTEEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains FOUR questions carrying TEN marks each and students have to attempt any THREE questions.**

SECTION-A

1. Answer briefly :

a. Name any two drugs prone to Oxidation.

b. Explain Hydrates and Solvates.

c. Define pKa.

d. Define sustained release formulation.

e. Give examples of dosage forms exempted from Bioequivalence testing.

f. Name any two approaches for Solubility enhancement.

g. Define Quality audit.

h. Define Enteric coated tablets. Give Examples of polymers used.

i. Define Intrinsic solubility.

j. Discuss the importance of Student's T test.

k. Define Angle of Repose.

l. Define Absolute and Relative bioavailability.

m. Define GLP.

n. Define Osmotic tablets.

o. Define Therapeutic index.

SECTION-B

2. Write a note on evaluation of controlled release formulation.

3. Discuss various factors affecting the oxidation of drugs.

4. Explain IVIVC. Also, discuss each level of IVIVC.

5. What is BCS? Discuss various classes along with suitable example.

6. Discuss major federal guidelines for extended release products.

SECTION-C

7. Discuss the prospective validation of the method of manufacture of suspension.

8. Discuss in detail the various physicochemical properties of drug affecting a formulation.

9. Explain in details the various factors invented in the absorption of drug from GIT.

10. Discuss the role ofprodrug in site specific drug delivery system.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.