

Annual Examination 2022
B. Pharm 4th Year
Dosage From Design & Cosmetology

Time: 3Hrs

Max. Marks-80

Note: Attempt any five questions:

1. Define preformulation discuss physical properties of drugs and their effect on formulation stability and bioavailability.
2. Write a detail note on:
 - (A) Polymerization
 - (B) Oxidation
 - (C) Quality audit
 - (D) GMP
3. How the drug is passed through various biological barriers. Write a detail note on Pinocytosis
4. What is active transport mechanism give the stability guidelines as per ICH
5. What is intrinsic dissolution rate? Enlist various dissolution apparatus for different dosage forms. Write a note on factors affecting dissolution?
6. Discuss fundamentals of cosmetic science explain structure and function of skin write a detailed note on body care products?
7. Explain basic concept merit and demerit of novel drug delivery systems discuss controlled release dosage form
8. Write a note on:
 - (A) Microspheres
 - (B) Liposomes and Nano particles
9. Define in-vivo & in-vitro dissolution studies explain methods and interpretation of dissolution tests
10. Write design development and process validation methods for Pharmaceutical Operation methods for Pharmaceutical Operations involved in the production of tablets?