



Draw neat labeled diagrams wherever necessary. Answer **FOUR** questions

**ANSWER ANY FOUR**

**4 X 25 = 100 Marks**

1.
  - a) Discuss selection of binders, disintegration and lubrications
  - b) Applications of surfactants in pharmacy
2.
  - a) How do you measure thixotropy?
  - b) Discuss rheological properties of emulsion of suspensions
3.
  - a) Give Arrhenius equations. Discuss accelerated stability studies.
  - b) Production of oxidation in formulations
4.
  - a) Explain dosage regimen.
  - b) Biological factors affecting absorption
5.
  - a) Packing materials in pharmacy
  - b) Radio-isotopes in diagnosis
  - c) Effect of pH on rate of reaction
  - d) Dilatant flow
  - e) Angle of repose.
6.
  - a) Porosity
  - b) Micellar solubilization
  - c) computers in pharmacy
  - d) volume of distribution
  - e) Clearance

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