

31124

Seat Number

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DADU-23

**MPH 202T : Advanced Biopharmaceutics & Pharmacokinetics**  
**(181202)**

Total Page : 1]

Time: 3 Hours

Max. Marks : 75

Instruction to candidates:

1. Do not write anything on question paper except Seat No.
  2. All questions are compulsory.
  3. Figures to right indicate full marks.
  4. Students should note, no supplement will be provided.
  5. Graph or diagram should be drawn with the black ink pen or black HB pencil.
  6. Solve any **Five** questions from the following.
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1. Discuss in detail pharmaceutical dosage form related factors affecting absorption of drug in the GIT. 15
  2. Write short note on : 08
    - a) Sigma minus method 07
    - b) Method of residual
  3. What is dissolution? Explain in detail theories of dissolution of drug. 15
  4. Write short note on : 08
    - a) Monoclonal antibodies, 07
    - b) Protein drug binding
  5. Explain in detail compendial dissolution test apparatus Type I and Type II as per USP. 15
  6. Explain in detail equations and description of one compartment open model for intravenous infusion administration of drug. 15
  7. Discuss in detail methods for enhancement of bioavailability 15
  8. What is bioavailability and bioequivalence? Discuss in detail methods for determination of bioavailability. 15