Roll No. _____

Total No. of Pages : 01

Total No. of Questions : 06

M.Pharmacy(Pharmacology) (2017 Batch)   (Sem.–2)
PRINCIPLES OF DRUG DISCOVERY
Subject Code : MPL-203T
M.Code : 74945

Time : 3 Hrs.   **Max. Marks: 75**

INSTRUCTIONS TO CANDIDATES :
1. **Attempt any FIVE questions out of SIX questions.**
2. **Each question carries FIFTEEN marks.**

1. How will you discover a new drug for Hypertension? Discuss various steps with suitable diagram and/or flowcharts.   15

2. a. Discuss the concept of molecular docking.   7

    b. Write a note on 3D-QSAR & hit identification.   8

3. Write short notes on :   5×3

    a. Protein microarray

    b. Bioinformatics

    c. Pharmacophore

4. Discuss rational drug design with suitable examples and/or flow charts.   15

5. Write short notes on the following :   5x3

    a. Drug likeliness screening

    b. Prodrug design

    c. Application of NMR in protein structure prediction

6. Discuss the identification and validation of the following with suitable examples :

    a. Target   7

    b. Lead   8

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.