Second Semester M. Pharm Degree Supplementary Examinations
January 2020
M.Pharm (Pharmacology)

Paper III: Principles of Drug Discovery (MPL 203T)

(2017 Scheme)

Time: 3 Hours   **Total Marks: 75**

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays   **(3x10=30)**

1. Explain in detail about molecular docking studies

2. Write about computational prediction of protein structure by threading and homology modeling methods.

3. Discuss in detail about qualitative analysis of structure activity relationship (QSAR)

Short Notes   **(9x5=45)**

4. Pharmacophore mapping

5. Prodrug design

6. Target identification

7. Antisense oligonucleotides

8. In-silico lead discovery techniques

9. Compare and contrast traditional and rational drug design

10. Partial least square analysis

11. Domains, motifs and folds in protein structure

12. Role of transgenic animals in target validation

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