B. Pharm. Eighth Semester

35182 : Medicinal Chemistry - IV : T-8.2

P. Pages : 1

AW - 2326

Time : Three Hours

* 0 5 7 6 *

Max. Marks : 60

Notes : 1. All question carry equal marks.
2. Answer **five** question.
3. Discuss the reaction, mechanism wherever necessary.
4. Use of pen Blue/Black ink/refill only for writing the answer book.

1. Explain in detail rational drug design. Give its advantages over conventional drug design. **12**

2. Lipophilicity, Shape and electron distribution have a major influence on drug activity. Explain the parameters that are commonly used as measure of these properties in QSAR approach to drug design. **12**

3. What is QSAR? Explain Hansch analysis and Topliss decision tree methods in QSAR approach to drug design. **12**

4. Write a detail account on structure based drug design with examples. **12**

5. Explain in detail concept of genetic engineering. Give its merits and demerits. **12**

6. What do you understand by Design of ligand? Explain ligand design based on 3D structure of receptor. **12**

7. Write a note on **any two.** **12**

   a) Gene therapy.

   b) Molecular mechanics.

   c) Lead identification.

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