

[This question paper contains 2 printed pages.]

Your Roll No.....

Sr. No. of Question Paper : 7181

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Unique Paper Code : 2173540017

Name of the Paper : DSE- Fundamentals of medicinal Chemistry

Name of the Course : **B.Sc Prog.**

Semester : VIII

Duration : 2 Hours

Maximum Marks : 60

Instructions for Candidates

1. Write your Roll No. on the top immediately on receipt of this question paper.
2. Attempt any **four** out of **six**.
3. **All** questions carry equal marks i.e. **15** marks.
4. Attempts **all** parts of the questions together.

Attempt any **four** questions in all

- Q1
- a) Give three examples with structure of natural products acting as a drug.
 - b) What is the difference between Lead identification and Lead optimisation. Explain with examples
 - c) Briefly explain how solubility affects a drug's ability to reach its target
 - d) Give two examples to discuss the stereochemical aspects of drug.
 - e) Give the difference between pharmacophore and pharmacodynamics

(3,3,3,3,3)

- Q2
- a) Briefly explain the target site for the drug? Discuss the importance of the target's location (extracellular vs. intracellular)
 - b) What is the significance for the systematic screening of drugs?
 - c) Explain briefly the two types of drug designing with relevant examples

(5, 5, 5)

P.T.O.

