

Enrolment No. \_\_\_\_\_

PARUL UNIVERSITY

PARUL INSTITUTE OF PHARMACY

B.PHARM EIGHTH SEMESTER SECOND INTERNAL EXAMINATION: 2020-21

Subject Name: Pharmaceutical chemistry X

Subject Code: 8101451

Time: 10.00am to 11.15am

Date:08.03.2021

Total Marks: 25

**Instructions:**

1. Question 1 is compulsory
2. Attempt any 2 questions from Q.2 to Q.4
3. Make suitable assumptions wherever necessary.
4. Figures to the right indicate full marks.

- Q.1 (a) Define lead compound. What about the role of lead compound in drug discovery? 04
- (b) Write an overview on traditional drug designing. 03
- (c) Explain various strategies of molecular modeling. 02
- Q.2 (a) Explain various steps of drug development in drug discovery. 03
- (b) Write applications of molecular modeling. 03
- (c) What do you understand by In silico drug designing? 02
- Q.3 (a) Write an overview on structure based drug design. 05
- (b) Define clinical trials. What are various phase of clinical trials? Explain various phase of clinical trials in detail. 03
- Q.4 (a) Write a note on QSAR. 05
- (b) Define drug discovery. Explain the various steps of drug discovery product development in detail. 03

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