

Total No. of Questions : 4]

SEAT No. :

P3977

[Total No. of Pages : 1

[5246]-205

M. Pharmacy (Semester - II)

DRUG DESIGN (M-II-4)

(2013 Pattern)

Time : 2 Hours]

[Max. Marks : 50

Instructions to the candidate :

- 1) Neat diagrams must be drawn wherever necessary.
- 2) Figures to the right side indicate full marks.

Q1) What is Bioisoterism? Write applications of bioisosterism in designing of drug molecules [10]

Q2) Attempt any Three questions out of Four [15]

- a) Write a note on Cluster analysis.
- b) Drug design based on antagonism
- c) Write significance of Metabolism study in drug design.
- d) Write in short about bioprecursor prodrugs.

Q3) Attempt any Three questions out of Four [15]

- a) Write in brief about Topliss tree approach
- b) Antagonism concept in drug design.
- c) Write in short on CoMFA
- d) Write a note on Craig plot

Q4) What are prodrugs? Discuss designing of drug molecule based on metabolism studies with suitable examples. [10]

OR

Explain The concepts of enzyme inhibition were proved to be excellent tools in the process of drug design with suitable examples. [10]

