

Code: 17S02102

M.Pharm I Semester Regular Examinations February 2018

ADVANCED MEDICINAL CHEMISTRY

(Pharmaceutical Chemistry)

(For students admitted in 2017 only)

Time: 3 hours

Max. Marks: 60

Answer all the questions

- 1 Discuss in detail occupancy theory of drug receptor interaction.
OR
- 2 Discuss in detail different stages of drug discovery. Comment on agonists.
- 3 What is resistance? Explain different strategies to combat anticancer drug resistance.
OR
- 4 What are prodrugs? Discuss prodrugs of functional group. Add note on artificial enzymes.
- 5 Classify antiviral agents with examples. Explain in detail reverse transcriptase inhibitors.
OR
- 6 Explain the role of enantioselectivity in drug ADME.
- 7 Explain with suitable examples, non competitive enzyme inhibition. Comment on design of enzyme inhibitors.
OR
- 8 Enlist different factors affecting enzyme activity. Discuss any five factors in detail.
- 9 Discuss chemistry of leukotrienes. Explain design of peptidomimetics by modification of peptide backbone.
OR
- 10 Discuss chemistry of prostaglandins. Add note on therapeutic value of Peptidomimetics.
