

Code No: B3201

R10**SET-1****III B. Pharmacy II Semester Supplementary Examinations, April - 2018****MEDICINAL CHEMISTRY-I**

Time: 3 hours

Max. Marks: 75

Answer any **FIVE** Questions
All Questions carry **Equal** Marks

- ~~~~~
1. a) Explain in brief about Bioisosterism and steric features of drugs. (8M)
b) Write a note on chelation. (7M)
 2. a) Discuss about Phase-I reactions. (8M)
b) Give a detail note on phase –II reactions. (7M)
 3. Give the synthesis and medicinal uses of (15M)
(i) Phenobarbitol (ii) phenytoin (iii) chlorpromazine (iv) Imipramine
 4. Write the synthesis, uses and side effects of Benzocaine, Lidocaine, Procaine. (15M)
 5. a) Give the structures and therapeutic uses of Thiopental, Pralidoxime (PAM), (10M)
Neostigmine and Halothane.
b) Explain in brief about catabolism. (5M)
 6. a) Give the structures and clinical uses of Ephedrine, Dopamine and Amphetamine. (9M)
b) Write a short notes on neuromuscular blockers. (6M)
 7. a) Give the structures, uses and nomenclature of dicyclomine, propranolol, (10M)
Propantheline and Prazosine.
b) Write the classification of anti adrenergics along with structures. (5M)
 8. Outline the synthesis of paracetamol, Indomethacin and Diclofenac explain their (15M)
mechanism of action and therapeutic uses.