

Code No: B3201/R10

Set No.1**III B.Pharmacy II Semester Supplementary Examinations, April 2017**
MEDICINAL CHEMISTRY-I**Time: 3 hours****Max Marks: 75****Answer any FIVE Questions**
All Questions carry equal marks

1. (a) Explain the influence of Ionization and hydrogen bonding on biological activity?
(b) Write detailed notes on steric features of drug molecules? [7+8]
2. (a) Discuss about Phase-I reactions
(b) Write detailed notes on Phase-II reactions [7+8]
3. Write the synthesis and medicinal uses of i) Diazepam ii) Haloperidol iii) Meprobamate iv) Imipramine. [15]
4. Devise a method of synthesis of Lignocaine hydrochloride, Halothane & Bupivacaine. [15]
5. Write the structures and uses of Carbochol, Neostigmine, Pralidoxime (PAM), dicycloamine and Galamine. [15]
6. Write the structure, MOA, synthesis and uses of Ephedrine, Amphetamine and salbutamol. [15]
7. Write structure, nomenclature and therapeutic uses of
 - (a) Atropine
 - (b) Dicyclomine
 - (c) Ipratropium bromide
 - (d) Propantheline [4+4+4+3]
8. Outline the synthesis of oxyphenbutazone and ibuprofen. Explain their mechanism of action and therapeutic uses. [10+3+2]
