

Code No: B3201/R10

R10**III B.Pharmacy II Semester Supplementary Examinations, Nov. 2016**
MEDICINAL CHEMISTRY-I**Time: 3 hours****Max Marks: 75****Answer any FIVE Questions**
All Questions carry equal marks

1. (a) Write detailed notes on drug distribution and protein binding
(b) Explain the influence of optical isomerism on biological activity? [7+8]
2. Write detailed note on
(a) Sulfonamides
(b) Membrane active agents [7+8]
3. Define and classify anti-depressants with suitable example? Explain the synthesis of any two drugs in this category. [15]
4. Write in detail about SAR of general anesthetic agents. [15]
5. Write the structures, synthesis, uses of Dopamine and Dobutamine. [15]
6. (a) Explain briefly about cholinergic nerves and its neurotransmitter and its function.
(b) Classify cholinergic receptors. Discuss briefly the physiological role of receptors. [7+8]
7. (a) Define parasympatholytics with examples.
(b) Classify antispasmodic drugs with examples and give structures.
(c) Give a detailed account of SAR of anticholinergics compounds. [3+4+8]
8. Write the structures of Aspirin and Paracetamol. Outline the synthesis of Aspirin and Paracetamol. Explain the mechanism of action and therapeutic uses of Aspirin and Paracetamol. [2+10+3]
