

Code: 9R01601

R09

B.Pharm III Year II Semester (R09) Supplementary Examinations December 2016

MEDICINAL CHEMISTRY – I

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 Explain in brief the following physico-chemical properties of drug molecules in relation to biological activity.
 - (a) Chelation.
 - (b) Partition co-efficient.
- 2
 - (a) Write a brief note on mechanism of drug action.
 - (b) Explain factors affecting drug metabolism.
- 3
 - (a) Classify Hypnotics & Anxiolytics. Outline the synthesis of Diazepam.
 - (b) Explain the mode of action and synthesis of Phenytoin.
- 4 Define and classify general anesthetic agents. Explain their SAR, mode of action and outline the synthesis of thiopental sodium.
- 5 Explain indirect acting sympathomimetics with examples and write their mode of action and synthesis of dopamine.
- 6
 - (a) Write a note on antidotes for ACH inhibitors.
 - (b) Explain the mode of action and synthesis of propantheline.
- 7 Explain in detail about α – blockers and write their mode of action and synthesis of prazosin.
- 8 Write a note on anticholinergics with examples and explain their SAR & synthesis of dicyclomine.
