

Code: 9R01803

R09

B.Pharm IV Year II Semester (R09) Supplementary Examinations April 2017

MEDICINAL CHEMISTRY – III

Time: 3 hours

Max. Marks: 70

Answer any FIVE questions
All questions carry equal marks

- 1 (a) Give a detailed account on the cardiovascular diseases. Discuss on the Anti-hypertensive drugs acting on the Renin-Angiotensin system.
- 2 (a) Define a diuretic. Classify with salient examples. Give an elaborate note on thiazides and loop diuretics.
- 3 (a) Classify anti-diabetic drugs explain the chemistry of any two agents under each category.
(b) Discuss on PPAR inhibitors.
- 4 Classify Narcotic analgesics and list out their characteristic features. Write the synthesis of Meperidine and Methadone.
- 5 Explain the chemistry, SAR and mechanism of action of anti-tubercular agents, synthesis of Isonicotinic acid hydrazide and ethambutol.
- 6 (a) Write the chemistry and synthesis of any two fluoroquinolones.
(b) Discuss on anti-malarial in detail.
- 7 Explain in detail on various anti-fungal agents. Write the synthesis of sulfadiazine and fluconazole.
- 8 Classify anticancer agents. Write the chemistry, structures, mechanism of action of any two agents from each category. Synthesis mercaptopurine and chlorambucil.
