

QP CODE:401006 (old scheme)

Reg.No:

Final Year B.Pharm Degree Supplementary Examinations January 2017

PHARMACEUTICAL CHEMISTRY - V
(Medicinal Chemistry)
(2010 scheme)

Time: 3 Hours

Total Marks: 100

- Answer all Questions.
- Draw chemical structure wherever necessary.

Essay

(3x10=30)

1. Classify anticonvulsants with examples. Explain the structure of one drug belonging to each class. Mention the synthesis of any two of them
2. Classify antibiotics with example. Explain the structure of one drug belonging to each class. Mention the synthesis of any two of them.
3. Classify antihypertensive agents with examples. Explain the synthesis and IUPAC name of any two of them

Short notes

(14x5=70)

4. Discuss the importance of stereoisomerism and hydrogen bonding
5. Therapeutic uses of the following:
 - Ethionamide • Ribavirin • Salsalate • Carbimazole • DEC
6. Classify analgesics with examples. Explain the structure of one drug belonging to each class. Mention the synthesis of any one of them.
7. Beta adrenergic blockers
8. Explain the mode of action of the following drugs:
 - Ciprofloxacin • Saquinavir • INH • Pethidine
9. Synthesis of the following • Imipramine • Furosemide
10. Discuss the SAR of sulfa drugs as antibacterials
11. Classify antineoplastic agents with examples. Explain the mode of action of any one.
12. Explain the SAR of benzodiazepines as sedative and hypnotics
13. Chemistry of penicillins and statins
14. Applications of pro drugs with suitable examples.
15. Explain the SAR of cholinergic drugs
16. Classify local anti-infective agents giving structure for each class.
17. Explain the mode of action of the following:
 - Azithromycin • Spironolactone • Ibuprofen • Cisplatin
