

QP CODE: 305326

Reg. No:

Third Year Pharm D Degree Supplementary Examinations February 2017

Medicinal Chemistry

Time: 3 Hours

Total Marks: 70

- Answer all Questions.
- Draw Diagrams wherever necessary.

Essays

(3x10=30)

1. Mention the classification of antibiotics and explain in detail the chemistry of penicillins with mechanism of action and examples. Add a note on degradation of penicillins.
2. Discuss on quantitative structure activity relationship with a note on various parameters.
3. Mention the classification of anti neoplastic agents and explain in detail their chemistry with suitable examples along with mechanism of action. Explain the synthesis of any two drugs under various classes.

Short notes

(8x5=40)

4. Structural activity relationship of thiazide diuretics
5. Anti-tubercular agents used for multiple drug resistant tuberculosis
6. Synthesis of sulphacetamide sodium
7. Method of synthesis of hexachlorophene and halazone
8. Explain the mechanism of action of metronidazole
9. HIV protease inhibitors
10. Explain the life cycle of malarial parasite
11. Classify oral hypoglycemic agents and enumerate the synthesis of any one
