

Roll No

BP-601 T (CBGS)

B.Pharmacy VI Semester (PCI Scheme)

Examination, May 2019

Choice Based Grading System (CBGS)

Medicinal Chemistry-III

Time : Three Hours

Maximum Marks : 75

- Note: i) Attempt any five questions.
ii) All questions carry equal marks.
iii) Draw neat and well labeled structures wherever required.

1. Give classification of Penicillins and Cephalosporins with suitable structures; write in brief about chemical degradation of Penicillins.
2. What is prodrug? Elaborate basic concepts and applications of prodrug designing.
3. a) Discuss structure activity relationship of Tetracycline.
b) Write a note on Macrolide antibiotics.
4. Classify sulfonamides with suitable structures; also discuss their mode of action as antibacterial agents.
5. Explain etiology of malaria, give structure activity relationship of Quinolines as Anti-malarial agents.

6. a) What do you mean by Anthelmintics? Give their chemical structures.
b) Write a note on Antiprotozoal drugs.
7. a) Elaborate various docking techniques used in drug designing process.
b) Explain concept of combinatorial chemistry.
8. Write a note on any two of followings:
a) Antiviral agents.
b) Synthesis of Isoniazid, Metronidazole and Chloroquine.
c) Antifungal agents.
