PY-601 (CBCS)

B Pharmacy VI Semester (Non-PCT Scheme)

Examination, May 2019 Choice Based Grading System (CBGS)

Medicinal Chemistry-III

Time: Three Hours Maximum Marks : 75

Note: . Attempt any live questions. All questions carry equal marks. 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 Penicillin.

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.

6. a) What do you mean by Anthelmintics? Give their clean 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.

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