

Roll No

PY-601 (CBGS)**B.Pharm., VI Semester (Non-PCI Scheme)**

Examination, May 2018

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.

1. Give classification on penicillin with suitable example of each category. Brief about β -lactamase inhibitors.
2. a) Discuss structure activity relationship of tetracycline.
b) Write a note on amino glycosides.
3. Discuss basic concepts and application of prodrugs design with suitable examples.
4. a) Write classification of antimalarials giving suitable examples of each class.
b) Give structure activity relationship of quinolines as antimalarial drugs.
5. Discuss various physicochemical parameters used in Quantitative Structure Activity Relationship (QSAR). Brief about combinatorial chemistry.

6. Write classification and SAR of sulfonamides with structural representation. Give synthesis of any one drug from sulfonamides category.
7. a) Write a note on antifungal agents.
b) Give synthesis and applications of metronidazole and diethylcarbamazine citrate.
8. Write notes on any two of the following:
 - a) Antiviral agents
 - b) Synthesis and therapeutic applications of chloramphenicol and isoniazid.
 - c) Macrolides
