

Name :

Student Admn. No :

School of Medical and Allied Sciences
Continuous Assessment Test (CAT) - 2018 Semester: Winter, 2017-18
[Programme : B.Pharm] [Semester: 6]

Course Code: PCY305
Course Title : Medicinal Chemistry II
Time : 1.30 Hrs
Max Marks : 50

Instructions : 1. Attempt any one from 15 Marks Questions
2. Attempt any two from 10 Marks Questions

S.No	Course Outcome	Knowledge Level	Question	Marks
1	CO 1	KL 3	Illustrate mechanism of action and synthesis of methotrexate.	5
2	CO 1	KL 3	Illustrate mechanism of action of omeprazole with structure.	5
3	CO 1	KL 3	Classify Antineoplastic drugs with examples. Illustrate mechanism of action of alkylating agents and synthesis of chlorambucil.	15
4	CO 1	KL 3	Classify antihistaminic agents chemically with examples giving at least one structure to each class of H1 receptor antagonist and synthesis of diphenhydramine.	15
5	CO 2	KL 3	Classify antianginal drugs with examples. Illustrate mechanism of action and synthesis of nifedipine.	5
6	CO 2	KL 3	Classify diuretics with examples. Illustrate mechanism of action of loop diuretics and synthesis of furosemide.	10
7	CO 2	KL 3	Classify calcium channel blockers with examples. Illustrate SAR of calcium channel blockers (1, 4-dihydropyridine).	10
8	CO 2	KL 3	Classify anti-hypertensive agents with examples. Illustrate mechanism of action of	10

ACE inhibitors and synthesis of captopril.