

Section III

5. Discuss antipyretic agents in detail.
6. Write the synthesis of the following :
 - (i) Celecoxib
 - (ii) Diclofenac, and biosynthesis of eicosanoid.

Section IV

7. Give recent advances of hormonal contraceptives in detail.
8. Discuss calcium channel blockers and synthesis of clonidine and diltiazem.

Roll No.

Total Pages : 02

LMDQ/D-23

6541

PHARMACEUTICAL CHEMISTRY
SPECIAL-II
CHEM-305

Time : Three Hours]

[Maximum Marks : 60

Note : Attempt *Five* questions in all, selecting at least *one* question from each Section. All questions carry equal marks.

Section I

1. Explain the general mode of action, medicinal uses and synthesis of Thiotepa and 6-mercaptopurine drugs.
2. Discuss antimalarial agents and mode of action of nucleoside reverse transcriptase inhibitors for AZT and ddC.

Section II

3. Give synthesis, SAR, mechanism of action of sulphonamides.
4. Illustrate structure, mode of action, synthesis of azithromycin and ampicillin.