

Roll.No.

24UCHET6A02

SHRIMATHI DEVKUNVAR NANALAL BHATT VAISHNAV COLLEGE FOR WOMEN  
(AUTONOMOUS)

(Affiliated to the University of Madras and Re-accredited with 'A+' Grade by NAAC)  
Chromepet, Chennai - 600 044.

B.Sc.Chemistry - END SEMESTER EXAMINATIONS - NOVEMBER 2025  
SEMESTER - VI

**24UCHET6A02 - Medicinal Chemistry**

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

### Section B

Answer any **SIX** questions ( $6 \times 5 = 30$  Marks)

1. Define and classify receptors.
2. Write a note on drug resistance.
3. Give the clinical applications of Cephalosporin.
4. Classify antibiotics.
5. Discuss the types and classification of hypertension.
6. Write a note on Hepatitis B.
7. Illustrate and explain the mechanism of inflammation.
8. Describe the mechanism of action of paracetamol.

### Section C

Answer any **THREE** questions ( $3 \times 10 = 30$  Marks)

9. Compare and contrast between agonist, antagonist and partial agonist with examples.
10. Discuss the structure activity relationship of Penicillin and Tetracycline.
11. Elaborate on the classification and mechanism of action of diuretics.
12. Write an essay on the diagnosis, test and treatment of HIV and AIDS.
13. Explain in detail on the different types of drugs used in treatment of diabetes and their mechanism of action

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