

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 - APRIL 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 agonist, antagonist and partial agonist with example.
2. What are the structure relationship of penicillin and tetracycline?
3. Write the clinical application of cephalosporin.
4. Explain the mechanism of action of diuretics.
5. Explain the prevention of viral infection.
6. List out the test and treatment of HIV and AIDS.
7. Write the types of diabetics drugs used for the treatment of diabetics.
8. Write the uses of anti-diabetic drugs.

Section C

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

9. Describe the various types of receptors and explain how they mediate cellular responses to drugs.
10. Write the types and classification of antibiotics and their action.
11. Explain the types and classification of hypertension and anti-hypertensive agents.
12. Explain the prevention and treatment of the viral infections COVID-19 and Influenza. Suggests drugs and vaccination.
13. Explain the mechanism of action of paracetamol, ibuprofen, naproxen and diclofenac.
