

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 - NOV'2024

SEMESTER - V

**24UCHET5A01 - Pharmaceutical Chemistry**

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

**Section B**

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

1. Discuss the water borne diseases - their symptoms and treatment.
2. Write an essay on air borne diseases about the cause, symptoms and treatment.
3. Write about the preparation, Uses, advantages and disadvantages Nitrous oxide and ether.
4. Give a note on Indian medicinal plant Phyllanthus Niruri.
5. Discuss about the structural activity of streptomycin.
6. Give a note on structure and physiological function of adrenaline.
7. Write a note on hypertension and hypotension- cause and remedies.
8. Write a short note on mucosal drug delivery systems.

**Section C**

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

9. Give a note on the following terms  
(i) Pharmacophore      (ii) Pharmacology      (iii) Pharmacopeia,  
(iv) Pharmacognosy      (v) Pharmacodynamics
10. Write notes about the drugs affecting CNS.
11. Discuss in detail about action of the following sulpha drugs  
(i) Sulphathiazole      (ii) Sulphafurazole
12. Write a detailed note on lipid profile – HDL, LDL, Lipid lowering drugs.
13. Discuss about the following drug delivery systems  
(i) Transdermal      (ii) Targeted      (iii) Ocular

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