

Roll.No.

22UPBAT4004

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 PBPB - END SEMESTER EXAMINATIONS - NOVEMBER 2025

SEMESTER - IV

**22UPBAT4004 - Chemistry for PBPBT - II**

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

### Section B

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

1. What is Hormones? Discuss its properties and uses.
2. What is saponification and rancidity of oils?
3. Draw the structure and functions of papaverine alkaloids:
4. What are diabetics? Discuss its cause and control.
5. Write any three water born disease?
6. What are insecticides? Draw the structure of dichlorodiphenyltrichloroethane (DDT) and benzenehexachloride(BHC)
7. Explain the term Greenhouse effect.
8. What are the biochemical effects of cyanide?

### Section C

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

9. Discuss the water and fat soluble vitamins.
10. How will you extract camphor? Discuss its structure and function.
11. Write notes on the following with one example a) Sedatives b) hypnotics c) Tranquilizers d) analgesics, e) antipyretics.
12. Explain the NPK fertilizers
13. (i) Write notes on water pollution  
(ii) Write different between BOD and COD

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