

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.PBPBT - END SEMESTER EXAMINATIONS - APRIL 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. Discuss the types and functions of lipids.
2. What are terpenes? Describe the extraction of terpenes.
3. Discuss the causes and treatment of AIDS.
4. Explain the refining and grading of sugar.
5. Describe green house effect and ozone layer depletion.
6. What are herbicides and fungicides? Give examples.
7. Write the structure and biological functions of nicotine and coniine.
8. What are water and fat soluble vitamins. Give its sources, function and deficiency diseases.

Section C

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

9. Explain the following
 - (a) Phospholipids
 - (b) Saponification
 - (c) Physiological function of oxytoxin and adrenaline
10. Discuss isoprene rule. Give the structure and functions of citral, alpha pinene and camphor.
11. Describe the following air borne and water borne diseases.
 - (a) Whooping cough
 - (b) Typhoid
 - (c) Jaundice
 - (d) Asthma.
12. Explain the preparation and uses of super phosphate, triple super phosphate and biofertilizer.
13.
 - (a) Describe the effect of toxic chemicals on enzymes.
 - (b) Explain the toxic effect of lead, mercury and oxides of sulphur and nitrogen.
