

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. END SEMESTER EXAMINATIONS APRIL-2022

SEMESTER - IV

08UPBAT4AC4 - Allied Chemistry - II

Total Duration : 3 Hrs.

Total Marks : 60

Section A

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

1. Explain the classification of proteins by physical properties and biological functions.
2. Write a note on antipyretics.
3. Describe the preparation of super phosphate.
4. Explain photochemical reactions with example.
5. Describe the working of a galvanic cell.
6. Discuss the structure and properties of sucrose.
7. Explain Bergmann synthesis for dipeptides.
8. Explain the process of racemisation.

Section B

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

9. Explain the open chain structure of glucose.
10. Explain the causes and treatment for AIDS.
11. Describe the synthesis and use of silicones.
12. Explain chemiluminescence and phosphorescence.
13. Explain the construction and working of normal hydrogen electrode
