

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/NOV - 2021
SEMESTER - IV
08UPBAT4AC4 - Allied Chemistry -II

Total Duration : 3 Hrs	Total Marks : 75
MCQ : 30 Mins	MCQ : 15
Descriptive : 2 Hrs.30 Mins	Descriptive : 60

Section B

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

1. Discuss the classification of proteins based on structure and functions.
2. Define (a) Tranquilisers (b) sedatives (c) hypnotics.
3. What are silicones? Explain the synthesis of silicones.
4. Discuss the preparation and used of triple super phosphate and urea.
5. Explain chemiluminescence.
6. With a neat diagram explain calomel electrode.
7. Distinguish RNA and DNA.
8. Derive Hendersons equation.

Section C

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

9. Discuss the open chain structure of glucose.
10. Describe the composition and uses of
(a) producer gas (b) semi-water gas (c) Natural gas.
11. Explain (a) Grothus Draper law (b) Stark Einsteins law (c) Fluorescence
12. Discuss the cause and treatment of diabetes and cancer.
13. Describe galvanic cell.