

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.(Physics) END SEMESTER EXAMINATIONS NOVEMBER -2023

SEMESTER - II

20UPHAT2002 - Allied chemistry II

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section B

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

1. What are conjugated proteins? Give examples.
2. Write essential and non-essential amino acids with suitable examples.
3. Explain the following terms with suitable examples.
a) Analgesic b) Antipyretics.
4. Write a brief note on producer gas.
5. What are fertilizers? Give examples.
6. Distinguish between galvanic cell and electrolytic cell.
7. State the law of photochemical equivalence.
8. Explain Quantum efficiency.

Section C

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

9. What are carbohydrates? How are they classified? Give examples for each type.
10. Write in detail about causes, transmission, diagnosis and treatment for Aids.
11. Discuss the importance of NPK to plants.
12. Write short notes on
a) Phosphorescence b) Fluorescence c) Chemi luminescence.
13. Discuss the construction and working standard calomel electrode.

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.(Physics) END SEMESTER EXAMINATIONS NOVEMBER -2023

SEMESTER - II

20UPHAT2002 - Allied chemistry II

Total Duration : 2 Hrs 30 Mins.

Total Marks : 60

Section B

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

1. What are conjugated proteins? Give examples.
2. Write essential and non-essential amino acids with suitable examples.
3. Explain the following terms with suitable examples.
a) Analgesic b) Antipyretics.
4. Write a brief note on producer gas.
5. What are fertilizers? Give examples.
6. Distinguish between galvanic cell and electrolytic cell.
7. State the law of photochemical equivalence.
8. Explain Quantum efficiency.

Section C

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

9. What are carbohydrates? How are they classified? Give examples for each type.
10. Write in detail about causes, transmission, diagnosis and treatment for Aids.
11. Discuss the importance of NPK to plants.
12. Write short notes on
a) Phosphorescence b) Fluorescence c) Chemi luminescence.
13. Discuss the construction and working standard calomel electrode.
