

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 - NOV'2024

SEMESTER - II

22UPHAT2002 - Chemistry for Physics -II

Total Duration : 2 Hrs.30 Mins.

Total Marks : 60

Section B

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

1. Explain calcination and roasting.
2. Describe electrochemical and microbiologically influenced corrosion.
3. Outline the synthesis and applications of Buna-N and Buna-S.
4. Enumerate the properties of Glucose.
5. Discuss the Carnot's cycle.
6. Predict the methods to control corrosion by internal means.
7. Illustrate the synthesis and application of Thermosetting plastics.
8. Justify the properties and structure of Starch and Lactose.

Section C

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

9. Illustrate the methods of concentration of Ores.
10. Discuss the applications Hess's law.
11. Recommend the methods to prevent external corrosion.
12. Elaborate the preparation and applications of the following polymers
(i) Polyvinyl Chloride (ii) Nylon
13. Differentiate DNA and RNA.
