

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.

M.Sc.PBPBT - END SEMESTER EXAMINATIONS - APRIL 2025

SEMESTER - IV

20PPBCT4010 - Plant Physiology and Biochemistry

Total Duration : 2 Hrs. 30 Mins.

Total Marks : 60

Section B

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

1. Write the physiological actions of auxins and gibberellins.
2. Define Primary and Secondary metabolites justify.
3. Write a short note on primary metabolites.
4. Explain the chemical properties of enzyme.
5. Explain the types of phytochrome.
6. Describe about glyoxalate cycle.
7. Discuss the light reaction.
8. Draw the neat diagram of glycolysis.

Section C

I - Answer any **TWO** questions ($2 \times 10 = 20$ Marks)

9. Write an essay of plant growth regulators.
10. Differentiate between primary and secondary metabolites.
11. What is enzyme kinetics ? Explain in detail about Michaelis-Menten constant.
12. Give an account on photoperiodic inductions

II - Compulsory question ($1 \times 10 = 10$ Marks)

13. What is aerobic respiration ? Explain in detail with one example.
