

M.Sc DEGREE EXAMINATION, APRIL 2019
II Year IV Semester
Plant Physiology and Biochemistry

Time : 3 Hours

Max.marks :75

Section A ($10 \times 2 = 20$) Marks

Answer any **TEN** questions

1. ABA
2. Phytohormones
3. Monosaccharides
4. Terpenoids
5. Apoenzyme
6. Hydrolases
7. Long day plants
8. Florigen
9. Acetyl CoA
10. Leghaemoglobin
11. RUBISCO
12. Fluorescence

Section B ($5 \times 5 = 25$) Marks

Answer any **FIVE** questions

13. Explain the physiological action of gibberellins.
14. Enumerate the biosynthesis of alkaloids.
15. Write about the nomenclature of Enzymes.
16. Differentiate action and absorption spectrum.
17. Explain oxidation of lipids.
18. Describe briefly pentose phosphate pathway.
19. Explain michaelis-menten constant.

Section C ($3 \times 10 = 30$) Marks

Answer any **THREE** questions

20. Describe the biosynthesis of Auxin.
21. Write a brief note on Biosynthesis and functions of flavonoids.
22. Explain briefly the chemical nature and properties of enzymes.
23. Differentiate C_3 and C_4 cycle.
24. Write about aerobic respiration.

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