B.Sc. DEGREE EXAMINATION,NOVEMBER 2019
III Year VI Semester
Plant Physiologgy, Biochemistry and Biophysics

Time : 3 Hours **Max.marks :60**

Section A $(10 \times 1 = 10)$ Marks

Answer any **TEN** questions

1. Absorption spectrum
2. RUBISCO
3. Phosphorylation
4. Succinate
5. Ethylene
6. Symbiotic association
7. Coenzyme
8. Active site
9. Enthalpy
10. ATP
11. NAD
12. Red Drop

Section B $(5 \times 4 = 20)$ Marks

Answer any **FIVE** questions

13. Explain Pigment system I and II.
14. What is Pasteur effect?
15. Explain Biological nitrogen fixation.
16. Write about mechanism of enzyme action.
17. Explain the laws of thermodynamics.
18. What is emerson enhancement effect?
19. Bring out the role of Cytokinin as plant growth regulator.

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

Answer any **THREE** questions

20. Differentiate C3 and C4 cycle.
21. Explain Aerobic respiration.
22. Describe the synthesis of aminoacid.
23. Explain the nomenclature and classification of enzymes.
24. Write a note on :- a) Bioenergetics and b) Bioluminescence.

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