B.Sc. DEGREE EXAMINATION,APRIL 2020
III Year VI Semester
Plant Physiology, Biochemistry and Biophysics

Time : 3 Hours **Max.marks :75**

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

Answer any **TEN** questions

1. Red Drop
2. Quantosomes
3. Respiratory Quotient.
4. Pasteur's effect.
5. Nitrification
6. Abscissic acid.
7. Apoenzyme
8. Active site
9. First law of thermodynamics.
10. Bioluminescence
11. RUBISCO
12. Transamination

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

Answer any **FIVE** questions

13. Explain cyclic photophosphorylation.
14. Give the reactions of Glycolysis.
15. Describe the biological nitrogen fixation.
16. Write about factors affecting enzyme activity.
17. Describe Enthalpy and Entropy.
18. Describe the pathway of Photorespiration.
19. Describe the classification of enzymes.

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

Answer any **THREE** questions

20. Explain C4 cycle.
21. Describe Kreb's cycle.
22. Bring out the role of auxins and gibberellins.
23. Explain the mechanism of Coenzyme action of NAD and CoA.
24. Write about ATP formation and breakdown in living system.

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