

B.Sc DEGREE EXAMINATION, EVEN SEMESTER 2021
III Year VI Semester
Plant Physiology, Biochemistry and Biophysics

Max.marks :25

Answer any **FIVE** questions ($5 \times 5 = 25$) Marks

1. Outline Hatch and Slack pathway.
2. Describe aerobic and anaerobic respiration.
3. Explain the mechanism of biological nitrogen fixation.
4. What are enzymes? Discuss their mechanism of action.
5. What are enthalpy, entropy and Gibbs free energy? How are these interrelated?
6. Differentiate cyclic and non-cyclic photophosphorylation.
7. What are auxins? Describe their practical applications in plants.