

# School of Agriculture

Agriculture  
ETE - Jun 2023

Time : 3 Hours

Marks : 100

## Sem II - A1UA204B / AGRI1015 Fundamentals of Crop Physiology

*Your answer should be specific to the question asked  
Draw neat labeled diagrams wherever necessary*

1. Rephrase the chloroplast is an important organelle for making food for the plants. K2 CO1 (5)
2. What are the symptoms of zinc deficiency in plants write down disease caused by deficiency of zinc.? K1 CO1 (5)
3. How does Auxin influence plant growth and development? Give an examples of their applications in agriculture. K1 CO1 (5)
4. Contrast the aerobic and anaerobic respiration. K2 CO1 (10)
5. Identify and explain the physiological roles of any one growth inhibitor. K3 CO2 (10)
6. Define and differentiate the active and passive absorption. K3 CO2 (10)
- 7) Analyze the Transpiration and its importance for the crop. K4 CO5 (10)

**OR**

- List the function of any five mineral nutrients. K4 CO5 (10)
8. Identify the unit and formula of any five growth analysis parameters. K3 CO2 (15)
  9. Examine the starch-sugar hypothesis during opening and closing of stomata K4 CO3 (15)
  - 10) Explain the TCA cycle. K5 CO4 (15)

**OR**

Conclude the photoperiodism along with Long day, short day and day neutral plants with suitable example. K5 CO4 (15)