GALGOTIAS UNIVERSITY

ADMISSION NUMBER

School of Agriculture

Bachelor of Science Honours in Agriculture
Semester End Examination - Jun 2024

Duration : 180 Minutes
Max Marks : 100

Sem II - A1UA209B - A1UA204B - AGRI1015 - Fundamentals of Crop Physiology

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	Tell the function of cell membrane.	K1(2)
2)	Explain the role of auxins in plant growth and development.	K2(4)
3)	Illustrate the Post harvest physiology	K2(6)
4)	Construct the labelled diagram of mitochondria and write down its functions.	K3(9)
5)	Construct the Electron transport chain.	K3(9)
6)	Evaluate the key enzymes involved in the breakdown of fats during plant respiration.	K5(10)
7)	Examine the importance of the Crop Growth Rate (CGR) in assessing the overall growth and productivity of crop plants.	K4(12)
8)	What is Osmosis, determine its crucial role for the survival of plants and other organisms.	K5(15)
9)	Determine the role cytokinins play in plant physiology, particularly in cell division and differentiation. How do they interact with other hormones to maintain overall plant. growth balance	K5(15)
10)	Elaborate on the significance of the Calvin cycle in photosynthesis. What are the key steps involved in the dark reaction?	K6(18)