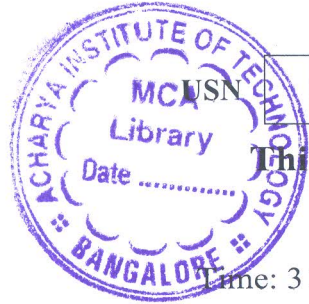


# CBCS SCHEME

BBT306D



Third Semester B.E./B.Tech. Degree Examination, June/July 2024

## Plant Physiology and Phytohormones

Time: 3 hrs.

Max. Marks: 100

*Note: 1. Answer any FIVE full questions, choosing ONE full question from each module.  
2. M : Marks, L: Bloom's level, C: Course outcomes.*

Module – 1			M	L	C
Q.1	a.	Write a detailed account on scope of Plant Physiology.	10	L1	CO1
	b.	Discuss in detail on Water relations and Mineral Nutrition.	10	L2	CO1
<b>OR</b>					
Q.2	a.	Explain about water potential and its measurements methods.	10	L2	CO1
	b.	Give a detailed note on Nutrient uptake and transport mechanism.	10	L1	CO1
<b>Module – 2</b>					
Q.3	a.	Give an account on photosynthetic pigments and their functions.	10	L1	CO2
	b.	Explain Calvin cycle with neat diagram.	10	L2	CO2
<b>OR</b>					
Q.4	a.	Write a note on factors affecting photosynthesis.	10	L2	CO2
	b.	Write in detail on Mechanism of Electron transport chain.	10	L2	CO2
<b>Module – 3</b>					
Q.5	a.	Give an account on Auxin and its physiological effects.	10	L1	CO3
	b.	Write about Gibberellins and its physiological effects.	10	L2	CO3
<b>OR</b>					
Q.6	a.	Discuss in detail about Cytokinins and their physiological effects.	10	L2	CO3
	b.	Give an account on Abscisic acid and its physiological effects.	10	L2	CO3
<b>Module – 4</b>					
Q.7	a.	Explain seed germination and dormancy.	10	L3	CO4
	b.	Write a note on Senescence.	10	L2	CO4
<b>OR</b>					
Q.8	a.	Discuss in detail about Tropisms.	10	L2	CO4
	b.	Elaborate on Nastic Movements in plants.	10	L3	CO4
<b>Module – 5</b>					
Q.9	a.	Write in detail on Plant responses to abiotic stress.	10	L2	CO5
	b.	Give an account on Plant responses to Biotic stress.	10	L2	CO5
<b>OR</b>					
Q.10	a.	Explain Plant defense mechanisms with examples.	10	L2	CO5
	b.	What is signal transduction and explain various pathways in stress responses.	10	L2	CO5

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