

THE KAVERY ENGINEERING COLLEGE*(An Autonomous Institution)***B.E/B.TECH DEGREE END SEMESTER THEORY EXAMINATIONS, NOV/DEC 2025***Fifth Semester***Agricultural Engineering****AI3015 - Protected Cultivation***Regulations - 2021**Duration : 3 Hrs**Maximum : 100 Marks****PART - A (ANSWER ALL QUESTIONS) (Marks 10*2=20)***

<i>Q.No</i>	<i>Questions</i>	<i>BTL</i>	<i>CO</i>	<i>Marks</i>
1.	List out the growing structures of protected culture.	L1	1	2
2.	Define hydroponics.	L1	1	2
3.	What is mean by integrated pest management.	L1	2	2
4.	What are the diseases occurring in tomato?	L1	2	2
5.	Write short notes on protected cultivation of ornamentals in India.	L1	3	2
6.	Write about staking of chrysanthemum.	L1	3	2
7.	Define precision farming.	L1	4	2
8.	Define GPS and its purpose in precision farming.	L1	4	2
9.	Give the soil and spacing requirement of bhendi.	L1	5	2
10.	Which is the growing medium used for cabbage?	L1	5	2

PART - B (ANSWER ALL QUESTIONS) (Marks 5*16 = 80)

<i>Q.No</i>	<i>Questions</i>	<i>BLT</i>	<i>CO</i>	<i>Marks</i>
11.	a Explain about cultivation systems including nutrient film technique hydroponics and aeroponic culture.	L2	1	16
	Or			
	b Discuss in detail the environmental factors that are influencing greenhouse production.	L2	1	16
12.	a Compare various protected cultivation technology.	L2	2	16
	Or			
	b Elaborate gherkins cultivation under greenhouse technology.	L2	2	16
13.	a Explain in detail about Rose cultivation under Greenhouses.	L3	3	16
	Or			
	b Elaborate gerbera cultivation under Greenhouses.	L3	3	16
14.	a Explain in detail about various technology application in precision farming.	L2	4	16
	Or			
	b Describe about sensors used for various agriculture operations.	L2	4	16

15.	a	Discuss the practices to be carried out for turmeric cultivation.	L3	5	16
		Or			
	b	Explain about precision farming techniques for Banana cultivation.	L3	5	16