

THE KAVERY ENGINEERING COLLEGE*(An Autonomous Institution)***B.E/B.TECH DEGREE END SEMESTER THEORY EXAMINATIONS, APRIL-MAY 2025****Second Semester****Agricultural Engineering****AI3201/UAIT24201 - Principles and Practices of Crop Production****Regulations – 2021/2024****Duration : 3 Hrs****Maximum : 100 Marks****PART – A (ANSWER ALL QUESTIONS) (Marks 10*2=20)**

Q.No	Questions	BLT	CO	Marks
1.	What are the climatic factors influencing crop production in agriculture crops?	L1	1	2
2.	List out the biological factors considering crop production in horticultural crops.	L1	1	2
3.	What are the nursery practices for growing transplanted vegetable crops?	L1	2	2
4.	What are the systems of tillage of growing rice crops?	L1	2	2
5.	How will you schedule fertigation for banana?	L2	3	2
6.	List out the practices for management of weeds.	L1	3	2
7.	Mention the cropping systems for sugarcane.	L1	4	2
8.	Recall about climate requirement for sunflower crop.	L1	4	2
9.	What is meant by greenhouse cultivation.	L1	5	2
10.	List out the horticulture crops grown under protected cultivation.	L1	5	2

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

Q.No	Questions	BLT	CO	Marks
11.	a i What are the genetic and environmental factors affecting crop growth and production in cucumber?	L2	1	8
	ii Discuss in relation to the adaptation of crops to the existing environment through crop cultural practices.	L2	1	8
	Or			
	b What are the crop management aspects through environmental modification in agriculture? Explain in detail with suitable examples.	L2	1	16
12.	a Explain in detail about the field preparation practices for growing sorghum and cowpea.	L2	2	16
	Or			
	b i What are the field preparation practices for growing castor and oil palm?	L2	2	8

	ii	What are the systems of crop production of pulse crops?	L2	2	8
13.	a	Describe in detail about the method of harvesting of black gram, cow pea, horse gram and Soyabeans.	L2	3	16
		Or			
	b i	What are the crop protection practices of green gram and explain in detail?	L2	3	8
	ii	Mention the cultivation practices for growing fodder cholam.	L2	3	8
14.	a i	What are the practices for growing dry seeded irrigated un-puddled lowland rice?	L2	4	8
	ii	Discuss in detail the crop management practices for jute.	L2	4	8
		Or			
	b	Discuss in detail about the water management for cotton crop.	L2	4	16
15.	a i	Discuss in detail about the cultivation practices for growing banana.	L2	5	8
	ii	What are the special cultural practices for growing rose and carnation? Explain.	L2	5	8
		Or			
	b i	What are the cultivation practices for growing tomato? Explain.	L2	5	8
	ii	Enumerate the process for special cultural practices for growing chrysanthemum and orchid.	L2	5	8