



**GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, ODISHA, GUNUPUR  
(GIET UNIVERSITY)**

M. Sc. (Hort.) Fruit Science (First Semester - Regular) Examinations, February - 2025  
**FSC-506 (Canopy Management of fruit crops)**  
(Horticulture-Fruit Science)

Time: 2 hrs

Maximum: 50 Marks

**Answer ALL questions**

**(The figures in the right hand margin indicate marks)**

**PART – A**

**(2 x 5 = 10 Marks)**

Q.1. Answer **ALL** the questions

	CO #	Blooms Level
a. Define the term “canopy” and “canopy management”.	CO4	L4
b. What do you mean by notching operation in fruit crops?	CO3	L3
c. Define “scion” and “rootstock” in fruit crops.	CO4	L4
d. How the bahar treatment is helpful for canopy management in guava fruit trees?	CO2	L2
e. Define espalier system of training operation in fruit crops.	CO4	L4

**PART – B**

**(6x 5=30 Marks)**

Answer **ANY SIX** questions

	CO #	Blooms Level
2. How growth regulators impact the flowering and fruiting of fruit crops?	CO4	L3
3. Explain how canopy management helps in better fruit yield and quality.	CO2	L2
4. What are the different modes of growth in a fruit tree? Explain.	CO1	L1
5. What is the impact of different canopy structures in fruit crops?	CO3	L3
6. Explain canopy management practices with special reference to banana fruit crop.	CO3	L3
7. What is the outcome of training in different fruit crops?	CO2	L2
8. Mention how horticultural operations like ringing, girdling, notching, bending and smudging operations be beneficial for the fruit crops.	CO1	L1
9. How can pruning operations be helpful in maximizing the yield in the fruit crops?	CO2	L2

**PART – C**

**(10x 1 = 10 Marks)**

Answer **ANY ONE** question:

	CO #	Blooms Level
10. Mention the different types of training systems in fruit plants with suitable diagrams.	CO4	L3
11. What is the impact of growth regulators in increasing the yield and quality of fruit crops?	CO3	L3
12. Mention the role of canopy management study for quality fruit crop production.	CO2	L2

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