Reg. No										

AY 24

Gandhi Institute of Engineering and Technology University, Odisha, Gunupur
(GIET University)

B. Sc. (Ag.) (First Semester - Regular) Examinations, January – 2026

HORT-111 (Fundamentals of Horticulture)

Time: 2 hrs | Maximum: 40 Marks

Answer ALL questions
(The figures in the right hand margin indicate marks)

PART – A **(2 x 5 = 10 Marks)**

Q.1. Answer ***ALL*** questions	CO #	Blooms Level
a. Define plant propagation.	CO4	K4
b. What do you mean by "layering" in plants?	CO3	K5
c. Mention the ideal characteristics of soil for growing horticultural crops.	CO4	K3
d. Define plant growth regulators.	CO4	K4
e. Define pollination and its types.	CO4	K4

PART – B **(6 x 5 = 30 Marks)**

Answer ***any six*** from the following questions:	Marks	CO #	Blooms Level
2. How can horticulture sector contribute to Indian economy?	5	CO5	K2
3. Define grafting. Mention the different types of grafting with suitable examples.	5	CO4	K5
4. Mention the differences between "sexual and "asexual" propagation in plants?	5	CO3	K3
5. What do you mean by "budding" in plants. Mention different types of budding with suitable examples.	5	CO2	K6
6. How climatic factors affects the growth of horticultural crops?	5	C02	K5
7. Mention the different types of layering in plants with suitable examples.	5	CO3	K3
8. How plant growth regulators affect the growth and development of horticultural crops?	5	CO3	K4
9. How training and pruning operations are beneficial in orchard establishment?	5	CO3	K4

--- End of Paper ---