

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



B. Sc. (Ag.)(First Semester - Regular) Examinations, February – 2025

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

- Define Horticulture. Expand IIHR.
- List the ideal soil requirements for horticulture crops ?
- Define asexual propagation with examples.
- Define seed dormancy. Mention the hormones responsible for dormancy.
- Define pollination and pollinizers.

PART – B

(6 x 5=30 Marks)

Answer **ANY SIX** questions

Marks

- | | |
|---|---|
| 2. Explain about scope and importance of horticulture crops. | 5 |
| 3. Brief about different orchard layout systems with neat diagrams. | 5 |
| 4. Explain of use of plant growth hormones in horticulture crops. | 5 |
| 5. Explain about different methods to overcome the seed dormancy. | 5 |
| 6. Explain about post-harvest handling in horticulture crops. | 5 |
| 7. Brief about different training methods with neat diagrams. | 5 |
| 8. Write about different climate requirements for horticulture crops. | 5 |
| 9. Explain different irrigation methods with diagrams. | 5 |

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