

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

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

NG-3 – Introductory Biology



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** questions

- Define aestivation
- Define fruit and write its parts
- Difference between alternate and opposite phyllotaxy
- Difference between androecium and gynoecium
- Define Hypogeal Germination

PART – B

(8 x 5=40 Marks)

Answer **ANY EIGHT** questions

Marks

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| 2. List out and describe about racemose inflorescence along with examples. | 5 |
| 3. List out and explain about Tap root modifications along with examples. | 5 |
| 4. Write the classification of flowers along with examples. | 5 |
| 5. Differentiate between ecology and ecosystem and write the branches of ecology | 5 |
| 6. Draw the flow chart for stem modifications and explain about aerial stem modifications along with examples. | 5 |
| 7. Define stem and write the characteristics of stem. | 5 |
| 8. List out and explain about leaf modifications with examples. | 5 |
| 9. Define fruit and explain about drupe, pome and pepo with examples. | 5 |
| 10. Define ecosystem and explain about biotic factors constitute for ecosystem. | 5 |
| 11. Explain the conditions required for germination and its procedure. | 5 |

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