JHARKHAND Rai University
RANCHI

**End Semester/Reappear (Semester IV) Examination May 2025**

**Programme:B. Sc. (Hons.) Agriculture**

**Course:Production Technology for Ornamental crops, MAP and Landscaping** **Full Marks: 50**

**Course Code: 13A.259** **Time: 2 Hrs.**

**Enrolment no. _____**

| Q.No. | Questions | CO | Bloom Taxonomy Category | Marks |
|---|---|---|---|---|
| | **Section I** | | | |
| 1 | **Short Answer type questions.** | | | **4 x 5 = 20** |
| a | Illustrate the importance of landscaping in urban environmental management. | CO1 | Apply | |
| | or | | | |
| | Tabulate two landscape uses of trees, shrubs and climbers with suitable examples. | CO1 | Remember | |
| b | Explain what "loose flowers" means along with two examples? | CO2 | Understand | |
| | or | | | |
| | Describe the benefits of protected cultivation of ornamental plants. | CO2 | Understand | |
| c | Describe the production technology of mint. | CO2 | Understand | |
| | or | | | |
| | Describe the production technology of Aloe vera. | CO2 | Understand | |
| d | Interpret the objectives for pruning ornamental trees/shrubs to promote health, structure, and maximum flowering. | CO4 | Understand | |
| | or | | | |
| | List the harvesting stages of the following flowers for distant market: rose, gladiolus, gerbera, carnation, lilium. | CO4 | Remember | |
| | **Section II** | | | |
| **Long Answer type questions.** | | | | **2 x 15 = 30** |
| 2 | a. Recommend five summer annuals and five winter annuals for home gardens. | CO1 | Evaluate | 10 |
| | b.List five cut flowers along with their botanical names that are grown under protected cultivation. | | Remember | 5 |
| | or | | | |
| | a. Distinguish between formal and informal garden with examples. | CO1 | Analyze | 10 |
| | b.Discuss briefly the key principles of landscape design. | | Understand | 5 |
| 3 | a.Conclude the lancing and latex collection in poppy plant. List five varieties of poppy. | CO3 | Analyze | 10 |
| | b.Summarise the medicinal benefits of rosemary oil. | | Understand | 5 |
| | or | | | |
| | a.Reframe the distillation of geranium and mentha in your own words, providing two varieties of each crop. | CO3 | Evaluate | 10 |
| | b. List five value-added flower products. | | Remember | 5 |

**Course Outcome:**

At the end of the course the student will be able to:

CO1 Understand the importance of Ornamental crops, MAP's and landscaping.

CO2 Comprehend production technology of cut flowers and MAP's under protected and open conditions

CO3 Identify the processing and value addition in produce of Ornamental crops and MAPs.

CO4 Know about the practices of training and pruning in ornamental plants.