



Faculty of Agriculture

End Semester Examination May 2025

AG3CO26 Production Technology for Ornamental Crops, MAP & Landscaping

Programme	:	B. Sc. (Hons.)	Branch/Specialisation	:	AG
Duration	:	3 hours	Maximum Marks	:	50

Note: All questions are compulsory. Internal choices, if any, are indicated. Assume suitable data if necessary.

Notations and symbols have their usual meaning.

Section 1 (Answer all question(s))

Q1. What is the primary purpose of ornamental plants?

Marks CO BL
1 2 1

Rubric	Marks
Aesthetic and decorative purposes	1

- Food production Aesthetic and decorative purposes
- Timber production Soil conservation

Q2. Which of the following is NOT a principle of landscaping?

1 2 1

Rubric	Marks
Crop rotation	1

- Unity Proportion
- Balance Crop rotation

Q3. Which of the following cut flowers is grown under open conditions?

1 3 1

Rubric	Marks
Gladiolus	1

- Gladiolus Gerbera
- Lily Orchid

Q4. What is the ideal growing condition for orchids?

1 3 1

Rubric	Marks
High humidity and indirect sunlight	1

- High humidity and indirect sunlight Dry and arid conditions
- Low temperatures and full sun Heavy clay soils

Q5. Which of the following is a loose flower?

1 3 2

Rubric	Marks
Both a and b	1

- Marigold Jasmine
- Both (A) and (B) Rose

Q6. Aloe vera is used for-

1 3 2

Rubric	Marks
All of the above	1

- Skin care Digestive health
 Medicinal purposes All of the above

Q7. Which part of isabgol is used?

1 4 2

Rubric	Marks
Seeds	1

- Leaves Seeds
 Flowers Roots

Q8. Which of the following is a method of value addition?

1 4 1

Rubric	Marks
All of the above	1

- Essential oil extraction Drying flowers
 Making herbal powders All of the above

Q9. Which method is used to extract rose oil?

1 5 2

Rubric	Marks
Solvent extraction	1

- Steam distillation Solvent extraction
 Cold pressing Fermentation

Q10. What is the primary use of potpourri?

1 6 2

Rubric	Marks
Room freshening	1

- Room freshening Medicine preparation
 Food coloring Fertilizer manufacturing

Section 2 (Answer all question(s))

Marks CO BL

Q11. What is the primary purpose of hedge plants? Name any five plants.

2 6 2

Rubric	Marks
What is the primary purpose of hedge plants	1
Name 5 plants?	1

Q12. Name two climbers used for decorative purposes in gardens.

2 5 1

Rubric	Marks
Name two climbers	1
used for decorative purposes in gardens?	1

Q13. (a) Explain the importance and scope of ornamental crops, medicinal and aromatic plants in horticulture.

4 3 2

Rubric	Marks
Explain the importance	2
Scope of ornamental crops, medicinal and aromatic plants in horticulture?	2

(OR)

(b) Define landscaping. Write the principles of landscaping.

Rubric	Marks
Define landscaping	2
Write the principles of landscaping.	2

Section 3 (Answer all question(s))

Marks CO BL

1 4 3

Q14. Name five cut flowers that are grown under protected conditions.

Rubric	Marks
Name five cut flowers	0.5
grown under protected conditions?	0.5

Q15. Differentiate between epiphytic and terrestrial orchids with names.

3 5 3

Rubric	Marks
Differentiate between epiphytic and terrestrial	1.5
orchids with names?	1.5

Q16. (a) Describe briefly about the production technology of Geranium with plant protection measures.

4 5 1

Rubric	Marks
Describe briefly about the production technology of Geranium	2
with plant protection measures?	2

(OR)

(b) Discuss the production technology of tuberose and gladiolus.

Rubric	Marks
Discuss the production technology of tuberose.	2
Discuss the production technology of gladiolus.	2

Section 4 (Answer any 2 question(s))

Marks CO BL

Q17. What are the different propagation methods used for jasmine and pruning and training in jasmine plants?

4 5 3

Rubric	Marks
What are the different propagation methods used for jasmine	2
and pruning and training in jasmine plants?	2

Q18. Explain the package of practices for marigold cultivation under open field conditions.

4 3 2

Rubric	Marks
Explain the package of practices for marigold cultivation under open field conditions	3
and explain Pinching in marigold?	1

Q19. What are loose flowers? Discuss the cost benefits of loose flowers giving a suitable example.

4 5 3

Section 5 (Answer all question(s))

Q20. What are the ideal climatic conditions and soil requirement for lemongrass cultivation?

Rubric	Marks
What are the ideal climatic conditions required for lemongrass cultivation?	0.5
Soil required for lemongrass cultivation?	0.5

Q21. What is the recommended spacing and planting method for lemongrass and Vetiver?

3 5 3

Rubric	Marks
What is the recommended spacing	1.5
planting method for lemongrass or Vetiver?	1.5

Q22. (a) Discuss the production technology and two uses of Ashwagandha.

4 5 3

Rubric	Marks
Discuss the production technology of Ashwagandha?	3
Two uses of Ashwagandha	1

(OR)

(b) Write the package of process of Isabgol.

Rubric	Marks
Write the package of process of Isabgol.	4

Section 6 (Answer any 2 question(s))

Q23. What are essential oils? Explain the primary method used to extraction of essential oils.

Rubric	Marks
What is essential oils?	3
explain the primary method used to extract essential oils?	1

Q24. Define value addition and give two examples of value-added products from aromatic plants.

4 5 2

Rubric	Marks
Define value addition	1.5
give two examples of value-added products from aromatic plants.	2.5

Q25. Explain the different methods used for processing and value addition in ornamental and medicinal plants. **4 5 1**

Rubric	Marks
Explain the different methods used for processing	3
and value addition in ornamental and medicinal plants?	1
