

B.Sc. (Honours) Agriculture Semester-IV Examination, 2019

Course No: HOR-221 (Production Technology for Ornamental Crops, MAP and Landscaping)

Signature of Centre Superintendent

Roll No. : (in figure) _____ (in words) _____

Student Index No. _____ Regn. No. _____ of _____

Time : Two Hours

Full marks : 50

Questions are of value as indicated in the margin

Part - I
(Objective and Short Answer Type)
(Use only ball point pen)

Time : 30 minutes

Full marks : 20

Note: 1. Answer in question paper itself.

2. Striking, rewriting or overwriting are not allowed in the objective type questions.

1. **State True (T) or False (F) in respect the following statements :**

1×5=5

- a) Roots of periwinkle is considered as anticancerous.
- b) 'Bud Splitting' is a cultivation problem of carnation.
- c) Citronella oil is known as 'Khush' oil.
- d) 'Embryo rescue' method of micropropagation is common in orchids.
- e) *Clitoria ternatea* is one annual climber.

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2. **Fill up the blanks with most appropriate words :**

1×5=5

- a) The species of rose grown for essential oil is _____.
- b) Lilium is propagated by _____
- c) Major component of lemon grass oil is _____
- d) Mint is commonly propagated by _____
- e) _____ is commonly used to check dehydration in diarrhea.

3. **Write short notes on any five :**

2×5=10

- a) Monopodial and sympodial orchids

b) Propagation of gerbera

c) Cultivars of jasmine

d) Propagation and planting of costus

e) Medicinal importance and uses of ocimum

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Part - II
(Descriptive Type)

Time : 90 Minutes

Full marks : 30

Questions are of value as indicated in the margin

Answer *any three* questions

4. Describe the cultivation technique of rose under protected condition with reference to varieties, media, planting, manuring, irrigation and harvesting. Name some special cultural practices adopted to improve the quality of rose. 6+4=10
 5. Describe the production technology of lemongrass and geranium with special reference to ecological requirement, varieties, propagation and planting, manuring and harvesting. 5+5=10
 6. Classify tuberose with suitable examples of each type. Describe the commercial propagation methods of gladiolus, tuberose and chrysanthemum. Write the importance of pinching and disbudding in chrysanthemum. 2+6+2=10
 7. Write the cultivation management of marigold or jasmine with special reference to cultivars, propagation, soil, climate, spacing, manuring, irrigation and harvesting. 10
 8. Mention the commercial part and use of the following medicinal plants – asparagus, aloe, costus, cinnamomum, periwinkle, isabgol. Write two varieties of Isabgol and Periwinkle. Describe the cultivation technique of aloe or isobgol. 6+1+3=10
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