Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov/Dec - 2017**

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| **Code :** | **17AG1010** | **Duration :** | **3 hrs** |
| **Sub. Name :** | **PRINCIPLES OF HORTICULTURAL SCIENCES** | **Max. marks :** | **100** |

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| **Q. No.** | **Questions** | **Course**  **Outcome** | **Marks** |
|  | **PART-A(10X1=10 MARKS)** |  |  |
| 1. | Define: Floriculture? | CO1 | 1 |
| 2. | Define: Ornamental gardening? | CO1 | 1 |
| 3. | What is Self fertile? | CO2 | 1 |
| 4. | Define: Bearing habit? | CO2 | 1 |
| 5. | Define: Fruit drop? | CO2 | 1 |
| 6. | What is Plant growth regulator? | CO3 | 1 |
| 7. | Define: Polyembryony? | CO2 | 1 |
| 8. | What is Scion? | CO3 | 1 |
| 9. | Define: Plant propagation? | CO2 | 1 |
| 10. | Define: Callus culture? | CO3 | 1 |

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| **PART B(5 X 3= 15 MARKS)** | | | |
| 11. | Write short notes on Scope and Importance of Horticulture? | CO1 | 3 |
| 12. | List out the methods of asexual/vegetative propagation? | CO2 | 3 |
| 13. | Explain: Classification of fruit crops? | CO1 | 3 |
| 14. | Explain: Intercropping and Multitier cropping? | CO2 | 3 |
| 15. | List out the applications of Micro-propagation? | CO3 | 3 |

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| **PART C(5 X 15= 75 MARKS)** | | | | |
| 16. | a. | Explain: Vertical row planting system. | CO2 | 5 |
| b. | Explain the factors affecting growth and development of horticultural crops? | CO2 | 10 |
| (OR) | | | | |
| 17. | a. | Distinguish: Agriculture crops and Horticulture crops. | CO1 | 5 |
| b. | How to select the site and location for lay out of an orchard? | CO3 | 10 |
|  |  |  |  |  |
| 18. | a. | Explain: Divisions of Horticulture? | CO1 | 5 |
| b. | Enumerate the advantages and Disadvantages of sexual/seed propagation. | CO3 | 10 |
| (OR) | | | | |
| 19. | a. | What is mean by Layering and list out the types of layering? | CO2 | 5 |
| b. | Explain : Triangle and Contour planting system. | CO3 | 10 |
|  |  |  |  |  |
| 20. | a. | What is fruit drop and their types? | CO2 | 5 |
| b. | Explain: Training in fruit trees? | CO2 | 10 |
| (OR) | | | | |
| 21. | a. | Explain: High density planting system? | CO2 | 5 |
| b. | Write short notes on requirements of micro propagation? | CO3 | 10 |
|  |  |  |  |  |
| 22. | a. | Explain the transplanting procedures followed in orchard establishment? | CO3 | 5 |
| b. | Explain: Plant growth hormones, regulators and their applications in horticultural crops? | CO2 | 10 |
| (OR) | | | | |
| 23. | a. | What is nursery and How do you select the site for nursery? | CO2 | 5 |
| b. | Explain: Asexual propagation method-Buddings. | CO2 | 10 |
|  |  |  |  |  |
| 24. | a. | What is Surface sterilization? | CO3 | 5 |
| b. | Explain: Unfruitfulness and External factors affecting unfruitfulness? | CO2 | 10 |
| (OR) | | | | |
| 25. | a. | Explain the procedures of potting and repotting? | CO3 | 5 |
| b. | Explain: Plant propagating structures? | CO2 | 10 |

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