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

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**End Semester Examination – Nov / Dec – 2019**

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| **Code :** | **18HO2008** | **Duration :** | **3hrs** |
| **Sub. Name :** | **PRODUCTION TECHNOLOGY OF MEDICINAL AND AROMATIC CROPS** | **Max. Marks :** | **100** |

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| **Q. No.** | **Questions** | **Course Outcome** | **Marks** |
| **PART - A (20X1=20 MARKS)** | | | |
| 1. | Mention the economic parts and the uses of Ashwagandha. | CO1 | 1 |
| 2. | What is the alkaloid present in Perwinkle? | CO1 | 1 |
| 3. | Name the medicinal plant belongs to Graminae family. | CO2 | 1 |
| 4. | Write the types and varieties of Periwinkle. | CO2 | 1 |
| 5. | Write the method of propagation and use of *Citronella* grass. | CO2 | 1 |
| 6. | **Name the Varieties of *Dioscorea.*** | CO2 | 1 |
| 7. | What are the uses of Isabgol and in which form it is used? | CO3 | 1 |
| 8. | Name the aromatic plant grown as an intercrop in coconut plantation. | CO2 | 1 |
| 9. | Write about the propagation methods of *Geranium.* | CO2 | 1 |
| 10. | Name the active ingredients present in *Opium.* | CO3 | 1 |
| 11. | Write the common name and family of *Ammi majus.* | CO2 | 1 |
| 12. | Name the tree used to control malaria? Which alkaloid is responsible for this control. | CO2 | 1 |
| 13. | Write the harvesting technique in Khus grass / Vetiver. | CO2 | 1 |
| 14. | Mention the medicinal plant used as insecticidal repellent. Name one variety. | CO3 | 1 |
| 15. | Name the economic part used in Flag plant. Mention its use. | CO2 | 1 |
| 16. | Mention the different species of Lavender. | CO2 | 1 |
| 17. | Write the types of Mint. | CO2 | 1 |
| 18. | Write the problem faced during harvesting of Muskdana. | CO1 | 1 |
| 19. | Mention the common name of *Ocimum* and its types. | CO2 | 1 |
| 20. | Name the aromatic plant cultivated for soil erosion. | CO1 | 1 |

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| **PART – B (10 X 5 = 50 MARKS)**  **(Answer any 10 from the following)** | | | |
| 21. | Write short notes on nursery raising and planting in *Rauvolfia****.*** | CO2 | 5 |
| 22. | Discuss the scope, opportunities and constraints in cultivation and maintenance of aromatic crops in India. | CO1 | 5 |
| 23. | Write the production technology of *Dioscorea.* | CO2 | 5 |
| 24. | Write short notes on post harvest practices in Ashwagandha. | CO2 | 5 |
| 25. | Give the cultivation details of Mint. | CO2 | 5 |
| 26. | Explain the propagation and planting system in Vetiver. | CO2 | 5 |
| 27. | Write the the chemical composition of any 5 aromatic plants. | CO3 | 5 |
| 28. | Discuss the pharmaceutical uses of any 5 medicinal plants. | CO3 | 5 |
| 29. | Write the therapeutic uses of any 5 aromatic plants. | CO3 | 5 |
| 30. | Discuss the marketing of medicinal and aromatic plants. | CO1 | 5 |
| 31. | Explain the extraction and use of drugs and essential oils in medicinal plants. | CO3 | 5 |
| 32. | Discuss the economics of drugs and essential oils in medicinal plants. | CO3 | 5 |

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| **PART – C (2 X 15 = 30 MARKS)**  **(Answer any 2 from the following)** | | | | |
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| 33. | a. | Discuss the scope, opportunities and constraints in cultivation and maintenance of medicinal crops in India. | CO1 | 8 |
| b. | Discuss the history of cultivation of medicinal and aromatic crops. | CO1 | 7 |
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| 34. | a. | Write in detail the production technology of periwinkle. | CO2 | 8 |
| b. | Explain the storage techniques of essential oils. | CO3 | 7 |
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| 35. | a. | Write the production technology of *Ocimum.* | CO2 | 8 |
| b. | Write the Chemical composition of some important medicinal plants. | CO3 | 7 |