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

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

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| **Code :** | | | | **17HO1003** | **Duration :** | | | | **3hrs** | | | |
| **Sub. Name :** | | | | **PRODUCTION TECHNOLOGY OF TROPICAL AND ARID ZONE FRUIT CROPS** | **Max. Marks :** | | | | **100** | | | |
| **Q. No.** | | **Questions** | | | | **Course Outcome** | | | | | | **Marks** | |
| **PART – A (20 X 1 = 20 MARKS)** | | | | | | | | | | | | | |
| 1. | | \_\_\_\_\_\_\_\_\_\_ is called as poor man’s apple. | | | | CO1 | | | | | | 1 | |
| 2. | | Origin of jack fruit is \_\_\_\_\_\_\_\_\_\_. | | | | CO1 | | | | | | 1 | |
| 3. | | Jhumka disorder is observed in \_\_\_\_\_\_\_\_\_\_. | | | | CO1 | | | | | | 1 | |
| 4. | | *Viracholaisocrates* is a major pest of \_\_\_\_\_\_\_\_\_\_. | | | | CO1 | | | | | | 1 | |
| 5. | | Powdery mildew is a major disease of \_\_\_\_\_\_\_\_\_\_ fruit crop. | | | | CO1 | | | | | | 1 | |
| 6. | | Stone grafting is done \_\_\_\_\_\_\_\_\_\_ fruit crop. | | | | CO2 | | | | | | 1 | |
| 7. | | \_\_\_\_\_\_\_\_\_\_ fruit is propagated by seed. | | | | CO2 | | | | | | 1 | |
| 8. | | Polyembryony is common in \_\_\_\_\_\_\_\_\_\_ fruit crop. | | | | CO2 | | | | | | 1 | |
| 9. | | Botanical name of sweet orange is ---------------. | | | | CO2 | | | | | | 1 | |
| 10. | | \_\_\_\_\_\_\_\_\_\_ is a commercial method of propagation in Guava. | | | | CO3 | | | | | | 1 | |
| 11. | | Pollination in mango is done by \_\_\_\_\_\_\_\_\_\_. | | | | CO3 | | | | | | 1 | |
| 12. | | Multi-stem training is done for \_\_\_\_\_\_\_\_\_\_ fruit crop. | | | | CO3 | | | | | | 1 | |
| 13. | | *Annona atemoya* is called \_\_\_\_\_\_\_\_\_\_. | | | | CO2 | | | | | | 1 | |
| 14. | | Papaya is originated from \_\_\_\_\_\_\_\_\_\_. | | | | CO2 | | | | | | 1 | |
| 15. | | Cauliflorous flowering is observed in \_\_\_\_\_\_\_\_\_\_. | | | | CO1 | | | | | | 1 | |
| 16. | | \_\_\_\_\_\_\_\_\_\_ phytohormone helps in breaking dormancy. | | | | CO2 | | | | | | 1 | |
| 17. | | Climatically grape is a \_\_\_\_\_\_\_\_\_\_ crop. | | | | CO2 | | | | | | 1 | |
| 18. | | \_\_\_\_\_\_\_\_\_\_ a precocious flowering hybrid of mango. | | | | CO2 | | | | | | 1 | |
| 19. | | Arka thrishna a hybrid of \_\_\_\_\_\_\_\_\_\_. | | | | CO3 | | | | | | 1 | |
| 20. | | \_\_\_\_\_\_\_\_\_\_ is used as a rootstock for the propagation of sapota. | | | | CO3 | | | | | | 1 | |
| **PART – B (10 X 5 = 50 MARKS)**  **(Answer any 10 from the following)** | | | | | | | | | | | | | |
| 21. | | Discuss different types of planting materials in pine apple. | | | | | | CO1 | | | 5 | | |
| 22. | | Discuss the process of papain extraction. | | | | | | CO1 | | | 5 | | |
| 23. | | Discuss various applications of growth regulators in grapes. | | | | | | CO1 | | | 5 | | |
| 24. | | Explain the process of wine making. | | | | | | CO1 | | | 5 | | |
| 25. | | Discuss the training and pruning technique in pomegranate. | | | | | | CO2 | | | 5 | | |
| 26. | | Differentiate between four types of Fig. | | | | | | CO2 | | | 5 | | |
| 27. | | Write short notes on spongy tissue. | | | | | | CO3 | | | 5 | | |
| 28. | | Discuss the phenomenon of dichogamy in fruit crops with suitable examples. | | | | | | CO3 | | | 5 | | |
| 29. | | Describe head system of training in grapes and its advantages. | | | | | | CO2 | | | 5 | | |
| 30. | | Discuss different type of pruning technique in grapes. | | | | | | CO3 | | | 5 | | |
| 31. | | Discuss in detail different types of sex forms in papaya. | | | | | | CO3 | | | 5 | | |
| 32. | | Analyze the causes of fruit drop in citrus and suggest measures to overcome. | | | | | | CO3 | | | 5 | | |
| **PART – C (2 X 15 = 30 MARKS)**  **(Answer any 2 from the following)** | | | | | | | | | | | | | |
| 33. | a. | | Distinguish various horticulture zones of India. | | | | CO1 | | | 8 | | | |
| b. | | Summarize the various types of cultural operations adopted in Banana. | | | | CO1 | | | 7 | | | |
|  |  | |  | | | |  | | |  | | | |
| 34. | a. | | Give an account of alternate bearing in mango and suggest measures to overcome. | | | | CO2 | | | 8 | | | |
| b. | | Analyze the uses of different types of rootstocks in Citrus. | | | | CO2 | | | 7 | | | |
|  |  | |  | | | |  | | |  | | | |
| 35. | a. | | Explain bahar treatment in Guava. | | | | CO3 | | | 8 | | | |
| b. | | Distinguish Agri-horticultural system with hort-pastoral system of cultivation. | | | | CO3 | | | 7 | | | |