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

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

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| **Code :** | **18AG2004** | **Duration :** | **3hrs** |
| **Sub. Name :** | **PRODUCTION TECHNOLOGY FOR VEGETABLES** | **Max. Marks :** | **100** |

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| **Q. No.** | **Questions** | | **Course Outcome** | | **Marks** | |
| **PART - A (20X1=20 MARKS)** | | | | | | |
| 1. | Define olericulture. | | CO2 | | 1 | |
| 2. | List out various F1 hybrids of tomato and give special features of any two hybrids. | | CO3 | | 1 | |
| 3. | Write down the special features of seedless watermelon. | | CO3 | | 1 | |
| 4. | Define diara land farming. | | CO2 | | 1 | |
| 5. | Define fertigation. | | CO3 | | 1 | |
| 6. | Write note on brown heart in radish. | | CO2 | | 1 | |
| 7. | Define portray nursery or seedling nursery. | | CO3 | | 1 | |
| 8. | Define TPS. | | CO3 | | 1 | |
| 9. | What are the soil and climatic requirements of brinjal? | | CO2 | | 1 | |
| 10. | Give the nutrient requirement of lablab. | | CO2 | | 1 | |
| 11. | What are the soil and climatic requirements of potato? | | CO2 | | 1 | |
| 12. | Define grafted brinjal technology. | | CO3 | | 1 | |
| 13. | Distinguish direct sowing from transplanted vegetable crops. | | CO2 | | 1 | |
| 14. | What are the soil and climatic requirements of tomato? | | CO2 | | 1 | |
| 15. | Write down the special features of MDU-1 cluster bean. | | CO3 | | 1 | |
| 16. | Mention the Seed rate and spacing of chillies. | | CO2 | | 1 | |
| 17. | Write the expansion of IIHR. | | CO2 | | 1 | |
| 18. | List out the cucurbitaceous vegetables. | | CO2 | | 1 | |
| 19. | Write down the different harvesting stages of tomato and their uses. | | CO2 | | 1 | |
| 20. | What is the nutrient requirement of brinjal. | | CO2 | | 1 | |
| **PART – B (10 X 5 = 50 MARKS)**  **(Answer any 10 from the following)** | | | | | | |
| 21. | Explain the physiological disorders of tomato and their management. | | CO2 | | 5 | |
| 22. | Explain in detail the nursery management of solanacerous vegetable crops. | | CO2 | | 5 | |
| 23. | Discuss in detail the classification of vegetable crops. | | CO1 | | 5 | |
| 24. | Write in detail the constraints in vegetable crops production in Tamil Nadu. | | CO3 | | 5 | |
| 25. | Write in detail the production technology of cluster bean. | | CO2 | | 5 | |
| 26. | Discuss briefly the soil, climate, varieties, harvesting and yield of aggregatum onion. | | CO2 | | 5 | |
| 27. | Write short notes on varieties, spacing, nutrient management and yield of vegetable cowpea. | | CO2 | | 5 | |
| 28. | Write a detailed note on varieties, seed rate, spacing, irrigation and harvesting of brinjal. | | CO2 | | 5 | |
| 29. | Explain in detail the production technology of ash gourd. | | CO2 | | 5 | |
| 30. | Write short notes on soil, climate, seed rate and nutrient requirement of radish. | | CO2 | | 5 | |
| 31. | Discuss in detail the production technology of watermelon. | | CO2 | | 5 | |
| 32. | Write short notes on soil, climate, seed rate, spacing, irrigation and yield of lablab. | | CO2 | | 5 | |
| **PART – C (2 X 15 = 30 MARKS)**  **(Answer any 2 from the following)** | | | | | | |
|  |  | | | | | |
| 33. | a. | Give a detailed account on the production technology of tomato. | | CO2 | | 15 | |
| b. | Discuss in detail the production technology of chilli. | | CO2 | |
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| 34. | a. | Write elaborately on the production technology of bittergourd and pumpkin. | | CO2 | | 15 | |
| b. | Explain elaborately on the scope, importance, area and production of vegetable crops in India. | | CO1 | |
|  |  |  | |  | |  | |
| 35. | a. | Write in detail the production technology of potato. | | CO2 | | 15 | |
| b. | Discuss in detail the production technology of carrot and beetroot. | | CO2 | |