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

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

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| **Code :** | **18AG2029** | **Duration :** | **3hrs** |
| **Sub. Name :** | **PRINCIPLES OF ORGANIC FARMING** | **Max. Marks :** | **100** |

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| **Q. No.** | **Questions** | **Course Outcome** | **Marks** |
| **PART – A (20 X 1 = 20 MARKS)** | | | |
| 1. | Expand IFOAM and LEISA. | CO3 | 1 |
| 2. | Name any two accreditation agencies for organic product. | CO1 | 1 |
| 3. | Who coined the term organic farming? | CO3 | 1 |
| 4. | Name the species of worms suitable for vermicomposting. | CO2 | 1 |
| 5. | Who is considered as the father of modern organic agriculture? | CO1 | 1 |
| 6. | What is Agro – bio diversity? | CO3 | 1 |
| 7. | Name any two bio inoculants. | CO2 | 1 |
| 8. | Which country has the highest percentage of area under organic farming? | CO1 | 1 |
| 9. | What do you mean by effective microorganism. | CO3 | 1 |
| 10. | What is conservational tillage? | CO1 | 1 |
| 11. | What do you meant by Natural farming? | CO1 | 1 |
| 12. | Define Sustainable agriculture. | CO2 | 1 |
| 13. | List any four botanicals used in organic pest management. | CO3 | 1 |
| 14. | Who wrote the book *One-Straw Revolution* ? | CO1 | 1 |
| 15. | Give examples for green manuring and greenleaf manuring crop. | CO2 | 1 |
| 16. | Name any two insects used in weed management. | CO2 | 1 |
| 17. | Write the nutrinet content of blood meal and poultry manure. | CO3 | 1 |
| 18. | Define crop rotation. | CO2 | 1 |
| 19. | What is meant by 3G extract. | CO2 | 1 |
| 20. | What is grading? | CO3 | 1 |

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| **PART – B (10 X 5 = 50 MARKS)**  **(Answer any 10 from the following)** | | | |
| 21. | List out the benefits of organic agriculture. | CO1 | 5 |
| 22. | Describe the ecological based pest management. | CO2 | 5 |
| 23. | Describe the organic standards for processed food. | CO3 | 5 |
| 24. | Write in detail the post harvest management of organic products. | CO3 | 5 |
| 25. | Differentiate between organic agriculture and conventional agriculture. | CO1 | 5 |
| 26. | How are insect pest managed in organic farms? | CO2 | 5 |
| 27. | Elucidate the function of organic packaging. | CO3 | 5 |
| 28. | Write note on the role of ITK in organic farming. | CO2 | 5 |
| 29. | What is the role of APEDA in the export of organic product? | CO2 | 5 |
| 30. | Crop residues act as a reservoir for plant nutrients: Explain. | CO1 | 5 |
| 31. | Give recommendations of panchagavya, if used as spray and precaution to be taken. | CO3 | 5 |
| 32. | Suggest the ways to improve the soil fertility in organically managed farm. | CO2 | 5 |

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| **PART – C (2 X 15 = 30 MARKS)**  **(Answer any 2 from the following)** | | | | |
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| 33. | a. | Explain the basic principles of organic farming. | CO1 | 15 |
| b. | Explain the integrated weed management in organic farming with suitable examples. | CO2 |
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| 34. | a. | Discuss the prospects and constraints of organic farming in India. | CO1 | 15 |
| b. | Explain the operational structure of NPOP. | CO3 |
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| 35. | a. | Define vermicomposting. Discuss the different methods of composting. | CO2 | 15 |
| b. | Explain the procedures and requirement of organic certification. | CO3 |