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

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

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| **Code :** | **18AG2002** | **Duration :** | **3hrs** |
| **Sub. Name :** | **CROP PRODUCTION TECHNOLOGY - I**  **(Kharif Crops)** | **Max. Marks :** | **100** |

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| **Q. No.** | **Questions** | **Course Outcome** | **Marks** |
| **PART – A (20X1 = 20 MARKS)** | | | |
| 1. | What is the Seed rate required for rice under transplanted hybrid rice? | CO3 | 1 |
| 2. | Write the expansion of IRRI and its location. | CO1 | 1 |
| 3. | What is the Nursery area required for conventional method of transplanting rice? | CO3 | 1 |
| 4. | Which is the originating place for maize? | CO2 | 1 |
| 5. | Write the NPK recommended for medium duration rice. | CO3 | 1 |
| 6. | For sodic soil, what is the reclamation application of ZnSO4 ? | CO2 | 1 |
| 7. | What is the cob yield of Baby corn? | CO3 | 1 |
| 8. | Mention the Herbicide suitable for sorghum+greengram situation. | CO2 | 1 |
| 9. | What type of parasitic weed is Striga in sorghum? | CO2 | 1 |
| 10. | Identify the state which ranks first in area and production of sorghum. | CO1 | 1 |
| 11. | Multitier cropping system in sorghum is adopted in---------------------. | CO2 | 1 |
| 12. | What IW/CPE ratio is scheduled for Sorghum irrigation? | CO2 | 1 |
| 13. | Sorghum seed is hardened by \_\_\_\_\_\_\_\_\_. | CO2 | 1 |
| 14. | Mention the critical stages of irrigation for blackgram. | CO1 | 1 |
| 15. | Which research station has released the Perennial redgram variety? | CO1 | 1 |
| 16. | What is the seed rate required for CO1 soybean? | CO3 | 1 |
| 17. | Mention the herbicide recommended for rainfed groundnut. | CO2 | 1 |
| 18. | Best suited soil for cotton cultivation is \_\_\_\_\_\_\_\_\_. | CO1 | 1 |
| 19. | What is the spacing required for cumbunapier grass? | CO2 | 1 |
| 20. | What is the carbendazim quantity required for seed treatment of soybean? | CO3 | 1 |

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| **PART – B (10 X 5 = 50 MARKS)**  **(Answer any 10 from the following)** | | | |
| 21. | Give a detailed account on Nursery practices of lowland puddle rice. | CO2 | 5 |
| 22. | Explain the nutrient management in maize. | CO3 | 5 |
| 23. | What is delintingin cotton? Write its advantages. | CO2 | 5 |
| 24. | Briefly wrtite the irrigation management in cumbu. | CO3 | 5 |
| 25. | What are the quality parameters in cotton? | CO2 | 5 |
| 26. | Describe the harvesting techniques of finger millet. | CO3 | 5 |
| 27. | Write the weed management of redgram. | CO3 | 5 |
| 28. | Write about different cropping system in sorghum. | CO2 | 5 |
| 29. | Describe the grain type of maize. | CO2 | 5 |
| 30. | Write short notes on nutrient management in groundnut. | CO3 | 5 |
| 31. | Write about Water management in transplanted rice. | CO3 | 5 |
| 32. | Write about problems in soil management. | 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. | Write in detail the System of Rice Intensification (SRI). | CO3 | 15 |
| b. | Write the reason for low productivity of pulses and mention the ways and means to increase the productivity. | CO2 |
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| 34. | a. | Write the cultivation practices of cumbunapier hybrid cross. | CO3 | 15 |
| b. | Elaborate the groundnut crop cultivation technologies. | CO3 |
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| 35. | a. | Write in detail the cultivation of rainfed sorghum. | CO3 | 15 |
| b. | Write about different seed treatment techniques in important *kharif* crops. | CO2 |