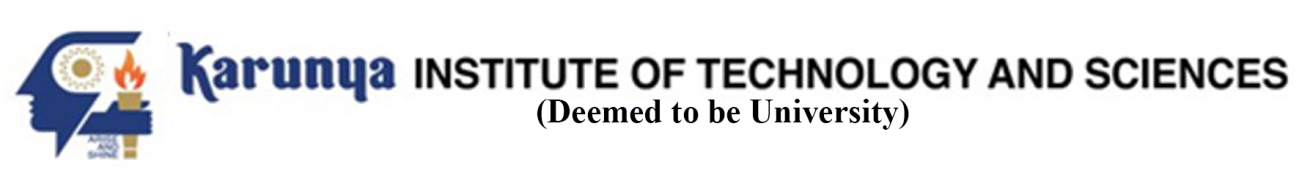
Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_\_



**End Semester Examination – Nov/Dec – 2018**

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|  |  |  |  |
| **Code :** | **17AG1004** | **Duration :** | **3hrs** |
| **Sub. Name :** | **AGRICULTURAL METEOROLOGY** | **Max. marks :** | **100** |

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| **Q. No.** | **Questions** | | **Course Outcome** | **Marks** |
|  | | **PART-A(20X1=20 MARKS)** | | |
| 1. | Define meteorology | | CO 1 | 1 |
| 2. | Meteorology is derived from …………. | | CO 1 | 1 |
| 3. | Define atmosphere | | CO 1 | 1 |
| 4. | Nitrogen rate in atmosphere is …………. | | CO 1 | 1 |
| 5. | Define rain | | CO 1 | 1 |
| 6. | Define hail | | CO 1 | 1 |
| 7. | Define wind | | CO 2 | 1 |
| 8. | What is cyclone? | | CO 2 | 1 |
| 9. | What is solar radiation? | | CO 2 | 1 |
| 10. | What is albedo? | | CO 2 | 1 |
| 11. | Name two variations of temperature | | CO 2 | 1 |
| 12. | What is energy balance of earth | | CO 2 | 1 |
| 13. | Define relative humidity | | CO 2 | 1 |
| 14. | The compound used to make artificial rain is ………….. | | CO 2 | 1 |
| 15. | Define drought | | CO 2 | 1 |
| 16. | Write any two weather parameter related to agriculture | | CO 2 | 1 |
| 17. | Define microclimate | | CO 3 | 1 |
| 18. | Define weather forecasting | | CO 3 | 1 |
| 19. | What is climate change? | | CO 3 | 1 |
| 20. | What is global warming? | | CO 3 | 1 |

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|  | | **PART B(10 X 5= 50 MARKS)**  **(Answer any 10 from the following)** | | |
| 21. | Explain the scope of agricultural meteorology | | CO 1 | 5 |
| 22. | Enumerate the composition of atmosphere | | CO 1 | 5 |
| 23. | Brief about the variations of atmospheric pressure | | CO 1 | 5 |
| 24. | Explain about the types of wind | | CO 2 | 5 |
| 25. | Brief about the nature and properties of solar radiation | | CO 3 | 5 |
| 26. | Explain about the different types of humidity | | CO 2 | 5 |
| 27. | Explain about the artificial rain making | | CO 2 | 5 |
| 28. | Define drought and explain different types of drought | | CO 3 | 5 |
| 29. | Brief about modifications of microclimate | | CO 3 | 5 |
| 30. | Explain the types of weather forecasting | | CO 3 | 5 |
| 31. | Differentiate climate change and climate variability with examples | | CO 3 | 5 |
| 32. | What are the causes of global warming | | CO 3 | 5 |

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|  | | **PART C(2 X 15= 30 MARKS)**  **(Answer any 2 from the following)** | | | |
| 33. | a. | | List out the different layers of atmosphere | CO 1 | 5 |
| b. | | Explain the different layers of atmosphere with neat diagram | CO 1 | 10 |
| 34. | a. | | Brief about the artificial rain making | CO 3 | 5 |
| b. | | Explain the mechanism and importance of artificial rain making | CO 3 | 10 |
| 35. | a. | | Enumerate the causes of climate change | CO 2 | 5 |
| b. | | Explain the impact of climate change in agriculture | CO 2 | 10 |