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

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**End Semester Examination – Apr/May – 2018**

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

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| **Q. No.** | **Questions** | **Course outcome** | **Marks** |
| **PART-A(10X1=10 MARKS)** | | | |
| 1. | Define agrometeorology | CO1 | 1 |
| 2. | Define Lapse rate | CO2 | 1 |
| 3. | What is agrometeorological observatory? | CO2 | 1 |
| 4. | Define global warming | CO3 | 1 |
| 5. | Agroclimatic zones of India | CO2 | 1 |
| 6. | What do you mean by cloud seeding? | CO2 | 1 |
| 7. | Define weather forecasting | CO1 | 1 |
| 8. | Abbreviate ICAR and ISRO | CO2 | 1 |
| 9. | Define weather | CO1 | 1 |
| 10. | Define absolute humidity | CO2 | 1 |

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| **PART B(5 X 3= 15 MARKS)** | |  |  |
| 11. | Role of temperature in crop production | CO2 | 3 |
| 12. | What is cardinal temperature? | CO2 | 3 |
| 13. | Write note on El-Nino and La-Nina | CO3 | 3 |
| 14. | Explain Climate change | CO3 | 3 |
| 15. | What is remote sensing? | CO1 | 3 |

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| **PART C(5 X 15= 75 MARKS)** | |  |  |
| 16. | Define global warming. Explain in detail about the green house effect | CO3 | 15 |
| (OR) | |  |  |
| 17. | Define wind and factors affecting wind speed | CO2 | 15 |
|  |  |  |  |
| 18. | Explain the three cell Circulation system of atmosphere with the help of neat diagram | CO1 | 15 |
|  | (OR) |  |  |
| 19. | Define cloud and cloud formation. Explain cloud formation and its classification | CO2 | 15 |
|  |  |  |  |
| 20. | Define relative humidity. How it is measured and its influence on crop production | CO2 | 15 |
|  | (OR) |  |  |
| 21. | Explain thornwaite rationale climatic classification | CO1 | 15 |
|  |  |  |  |
| 22. | Elaborate the characteristics of different light wavelength and their effect on crop production | CO2 | 15 |
|  | (OR) |  |  |
| 23. | Define weather forecasting and different types of weather forecast. Explain the synoptic chart. | CO2 | 15 |
|  |  |  |  |
| 24. | What is agrometeorological advisory service and how it is useful to the farmers | CO3 | 15 |
|  | (OR) |  |  |
| 25. | Layout and establishment of an agrometeorological observatory | CO2 | 15 |