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



**End Semester Examination – Nov/Dec - 2017**

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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 meteorology. | CO1 | 1 |
| 2. | Enlist the sphere of planet. | CO1 | 1 |
| 3. | What is wind? | CO2 | 1 |
| 4. | Enlist the greenhouse gases. | CO3 | 1 |
| 5. | Abbreviate IST. | CO2 | 1 |
| 6. | Define clouds. | CO1 | 1 |
| 7. | Define albedo. | CO2 | 1 |
| 8. | Abbreviate IMD and WMO. | CO2 | 1 |
| 9. | Define climate. | CO1 | 1 |
| 10. | What is potential evapotranspiration? | CO2 | 1 |

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| **PART B(5 X 3= 15 MARKS)** | | | |
| 11. | Distinguish micro and macro climate. | CO2 | 3 |
| 12. | Explain the role of green house gases. | CO3 | 3 |
| 13. | Explain wind vane with neat diagram. | CO1 | 3 |
| 14. | Concise on agromet services. | CO2 | 3 |
| 15. | Define photomorphogenesis. | CO1 | 3 |

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| **PART C(5 X 15= 75 MARKS)** | | | |
| 16. | Scope and importance of agricultural meteorology. | CO1 | 15 |
| (OR) | | | |
| 17. | Define atmosphere and explain in details about the different layers of atmosphere. | CO1 | 15 |
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| 18. | What is a climate change and weather abnormalities? | CO3 | 15 |
| (OR) | | | |
| 19 | Elucidate the factors affecting soil and air temperature. | CO2 | 15 |
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| 20 | Explain Precipitation process and forms of precipitation. | CO1 | 15 |
| (OR) | | | |
| 21. | Explain the monsoon pattern and its impact on agricultural production of India. | CO2 | 15 |
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| 22. | Compare cyclones and anticylones and describe wind system of the world. | CO2 | 15 |
| (OR) | | | |
| 23. | Role of remote sensing in agricultural meteorology. | CO1 | 15 |
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| 24. | Elaborate about weather forecasting and its applications in agriculture. | CO3 | 15 |
| (OR) | | | |
| 25. | Enlist the different causes of climatic variability in crop production. | CO1 | 15 |

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