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

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| **Code :** | **17AG1001** | **Duration :** | **3hrs** |
| **Sub. Name :** | **PRINCIPLES OF AGRONOMY AND AGRICULTURAL HERITAGE** | **Max. marks :** | **100** |

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| **Q. No.** | **Questions** | | **Course Outcome** | **Marks** |
|  | | **PART-A(20X1=20 MARKS)** | | |
| 1. | Define Agronomy | | CO1 | 1 |
| 2. | Define Growth | | CO1 | 1 |
| 3. | Define tillage | | CO2 | 1 |
| 4. | Write the difference between s.f and productivity | | CO2 | 1 |
| 5. | What is biocontrol agent? | | CO2 | 1 |
| 6. | Name two pulse crops | | CO2 | 1 |
| 7. | Define integrated weed management | | CO2 | 1 |
| 8. | Give any two weather elements affecting crop growth | | CO1 | 1 |
| 9. | Mention any two millet crops | | CO2 | 1 |
| 10. | Name two oilseed crops | | CO2 | 1 |
| 11. | What is biofertilizer? | | CO1 | 1 |
| 12. | Define manure | | CO1 | 1 |
| 13. | Write the formula for harvest index | | CO1 | 1 |
| 14. | What is ITK? | | CO1 | 1 |
| 15. | Give example for mobile and immobile nutrient in soil | | CO1 | 1 |
| 16. | What is a bulky organic manure? | | CO1 | 1 |
| 17. | Define Irrigation | | CO1 | 1 |
| 18. | Who coined the word weed? | | CO1 | 1 |
| 19. | List out beneficial uses of weeds | | CO1 | 1 |
| 20. | Name two introduced weeds | | CO1 | 1 |

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|  | | **PART B(10 X 5= 50 MARKS)**  **(Answer any 10 from the following)** | | |
| 21. | Differentiate the green manure and green leaf manure with suitable examples | | CO1 | 5 |
| 22. | Classify the crops based on ontogy with examples | | CO1 | 5 |
| 23. | What is Leibig Law of Minimum and its importance? | | CO1 | 5 |
| 24. | What is cardinal temperature and its importance? | | CO2 | 5 |
| 25. | Discuss the term ship to mouth during 1950 | | CO3 | 5 |
| 26. | Define crop geometry. Write its importance in crop production | | CO3 | 5 |
| 27. | List out harmful effects of weeds | | CO1 | 5 |
| 28. | Write the role of nitrogen, its deficiency, correction in crops | | CO1 | 5 |
| 29. | Define drainage and its importance | | CO1 | 5 |
| 30. | What is alleopathy? Give examples | | CO2 | 5 |
| 31. | Green revolution and its effect on food grain production | | CO1 | 5 |
| 32. | List out ancient irrigation lifting devices and explain it | | CO3 | 5 |

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|  | | **PART C(2 X 15= 30 MARKS)**  **(Answer any 2 from the following)** | | | |
| 33. | a. | | List out the differences between intercropping and mixed cropping with one example each | CO1 | 5 |
| b. | | Classify the crops based on economic usage with one example | CO1 | 10 |
| 34. | a. | | Draw a sigmoid growth curve and explain in details | CO2 | 10 |
| b. | | Write the good quality of the seed | CO2 | 5 |
| 35. | a. | | Briefly explain the biometric and yield attributing characters of field crops | CO2 | 5 |
| b. | | Give any five botanical classifications with one example | CO2 | 10 |