

**MA RURAL DEVELOPMENT  
SECOND SEMESTER  
INTRODUCTION TO CROP PRODUCTION  
MRD-201**

Duration : 3 hrs.

Full Marks: 70

**[ PART-A: Objective ]**

Time : 20 min.

Marks : 20

*Choose the correct answer from the following:*

*1X20=20*

- ..... is the branch of Agriculture Science which deals with the principles and practices of Crop production  
a. Extension  
b. Agronomy  
c. Soil Science  
d. Entomology
- The word Agronomy consist of two ..... words  
a. Portuguese  
b. Greek  
c. Spanish  
d. Roman
- Agronomy treats the principle and practices of  
a. Crop, Soil and Water management  
b. Crop and Soil management  
c. Soil and Water management  
d. Crop and Water management
- Agros means  
a. To manage  
b. Soil  
c. Field  
d. None of the above
- The word Tillage is derived from the Anglo-Saxon words  
a. tili" and "teolian".  
b. tilian" and "teoli".  
c. tilin" and "teolan".  
d. tilian" and "teolian".
- Maize is originated in  
a. USA  
b. Peru  
c. Mexico  
d. Japan
- ..... is the father of Tillage  
a. Jethrotull  
b. S A Knapp  
c. Albert Howard  
d. M S Swaminathan
- ..... is the good physical condition of soil after tillage in relation to plant growth  
a. Tilian  
b. Teolian  
c. Tilth  
d. Teolin
- SRI known as  
a. System of Rice Inoculation  
b. System of Rice Identification  
c. System of Rice Innovation  
d. System of Rice Intensification

10. .... is a method of multiple cropping where one crop is seeded into standing second crop well before harvesting of second crop
- |                      |                   |
|----------------------|-------------------|
| a. Mixed cropping    | b. Inter cropping |
| c. Multiple cropping | d. Relay cropping |
11. In agriculture, ..... is the practice of growing two or more crops in the same piece of land during one growing season instead of just one crop
- |                      |                    |
|----------------------|--------------------|
| a. Relay Cropping    | b. Crop protection |
| c. Multiple cropping | d. Mono Cropping   |
12. .... involves growing more than one crop simultaneously without any distinct row arrangement
- |                        |                        |
|------------------------|------------------------|
| a. Mixed intercropping | b. Repay intercropping |
| c. Strip intercropping | d. Row intercropping   |
13. An algae named ..... is present in the leaves of Azolla
- |                  |                    |
|------------------|--------------------|
| a. Anabena azoll | b. Anaben azollae  |
| c. Anabena zoll  | d. Anabena azollae |
14. IFOAM stands for
- |   |  |
|---|--|
| a. International Federation of Organic Agriculture Movement | b. Interstate Federation of Organic Agriculture Movement |
| c. International Federation of Organic Agriculture Mission  | d. Interstate Federation of Organic Agriculture Mission  |
15. National Program for Organic Production (NPOP) was launched in
- |         |         |
|---------|---------|
| a. 1995 | b. 1998 |
| c. 1999 | d. 2000 |
16. NDOCERT stands for
- |   |   |
|---|---|
| a. International Organic Certification Agency | b. Italian Organic Certification Agency   |
| c. Indian Organic Certification Agency        | d. Indian Organic Certification Authority |
17. KVK is
- |                         |                         |
|-------------------------|-------------------------|
| a. Krishi Vikas Kendra  | b. Krishi Vigyan Kendra |
| c. Kishan Vigyan Kendra | d. Kishan Vikas Kendra  |
18. ATMA is
- |   |   |
|---|---|
| a. Agricultural Technology Management Authority | b. Agricultural Transformation Management Authority |
| c. Agricultural Technology Mission Agency       | d. Agricultural Technology Management Agency        |
19. SAMETI stands for
- |  |  |
|--|--|
| a. State Agriculture Mission & Extension Training Institute      | b. State Agriculture Management & Extension Training Institute |
| c. State Agriculture Management & Empowerment Training Institute | d. State Agriculture Management & Extension Teaching Institute |

20. MANAGE is

- a. National Institute of Agricultural Extension Movement
- c. National Institute of Agricultural Extension Management

- b. Nodal Institute of Agricultural Extension Management
- d. Nodal Institute of Agricultural Extension Mission

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**( PART-B : Descriptive )**

Time: 2 HRS 40 MINS

Marks : 50

[ Answer question no.(1) & any four (4) from the rest ]

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|----|--|----------|
| 1. | a. What is SRI   | 2+4+4=10 |
|    | b. Explain- Methods of Transplanting in SRI Method                         |          |
|    | c. What are the differences between Conventional paddy Cultivation and SRI |          |
| 2. | a. Define Agronomy   | 4+6=10   |
|    | b. Classification of Crops- Explain  |          |
| 3. | a. Define Tillage  | 2+4+4=10 |
|    | b. Types of Tillage - Explain  |          |
|    | c. What are the objectives of Tillage                                      |          |
| 4. | a. What is Azolla?   | 2+2+6=10 |
|    | b. what is the importance of Azolla?                                       |          |
|    | c. What are the steps are taken to fill up the Azolla tanks?               |          |
| 5. | a. What is Organic farming?  | 4+4+2=10 |
|    | b. What are the advantages of Organic Farming?                             |          |
|    | c. Explain the Organic animal husbandry                                    |          |
| 6. | a. Define Farming  | 2+3+5=10 |
|    | b. What are the characteristics of farming in Rural India?                 |          |
|    | c. Give an account on Collective Farming and Diversified Farming           |          |
| 7. | a. What is Seed?   | 2+4+2=10 |
|    | b. What is Seed certification?   |          |
|    | c. What are the characteristics of a quality seed?                         |          |
| 8. | a. Define Crop Protection  | 4+6=10   |
|    | b. Give an account on "Types of Crop Protection"                           |          |

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