

MA/M.Sc. RURAL DEVELOPMENT
SECOND SEMESTER
INTRODUCTION TO CROP PRODUCTION
MRD - 202

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

(Objective)

Marks: 20

Choose the correct answer from the following:

1 × 20 = 20

- Agronomy is the branch of Agricultural Science, which deals with the principles and practices of.....
 - Crop production
 - Fish production
 - Animal production
 - Silk production
- The word Agronomy consists of two.....words.
 - Portuguese
 - Greek
 - Spanish
 - Roman
- Agronomy treats the principle and practices of.....
 - Crop, Soil and Water management
 - Crop and Soil management
 - Soil and Water management
 - Crop and Water management
- Agros* means.....
 - To manage
 - Soil
 - Field
 - None of the above
- The word Tillage is derived from the Anglo-Saxon words.....
 - tili" and "teolian"
 - tilian" and "teoli"
 - tilin" and "teolan"
 - tilian" and "teolian"
-is the most primitive method of sowing.
 - Drilling
 - Planting
 - Broadcasting
 - Transplanting
-is the father of Tillage.
 - Jethrotull
 - S A Knapp
 - Albert Howard
 - M S Swaminathan
-is the good physical condition of soil after tillage in relation to plant growth.
 - Tilian
 - Teolian
 - Tilth
 - Teolin

9. SRI known as.....
- | | |
|-------------------------------|-----------------------------------|
| a. System of Rice Inoculation | b. System of Rice Identification |
| c. System of Rice Innovation | d. System of Rice Intensification |
10. The advantages of Transplanting are saving in.....
- | | |
|---------------|---------------------|
| a. Fertilizer | b. Irrigation water |
| c. Soil | d. Seed |
11. Methods of propagation can be divided into.....categories.
- | | |
|------|------|
| a. 2 | b. 3 |
| c. 4 | d. 5 |
12. The seedlings are transplanted at.....age.
- | | |
|------------|------------|
| a. Initial | b. Optimum |
| c. Matured | d. Sapling |
13. An algae named.....is present in the leaves of Azolla.
- | | |
|------------------|--------------------|
| a. Anabena azoll | b. Anaben azollae |
| c. Anabena zoll | d. Anabena azollae |
14. Azolla, mostly used as a green manure in the.....
- | | |
|----------------|-----------------|
| a. Rice field | b. Maize field |
| c. Wheat field | d. Barley field |
15. Azolla is an.....
- | | |
|-----------------|------------------|
| a. Aquatic fern | b. Aquatic fauna |
| c. Forest fauna | d. Forest fern |
16. The algae, capable of fixing atmospheric.....which is fruitfully used by the plants.
- | | |
|-------------|--------------------|
| a. Hydrogen | b. CO ₂ |
| c. Oxygen | d. Nitrogen |
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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(Descriptive)

Time : 2 Hr. 30 Mins.

Marks : 50

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

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|-----------------------------------------------------------------------------|----------|
| 1. a) Give an account on "Methods of Propagation". | 5+5=10 |
| b) What are the methods of establishing Crop? | |
| 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 are the importances of Azolla? | |
| c) What are the steps are taken to fill up the Azolla tanks? | |
| 5. a) Define Farming. | 4+2+4=10 |
| b) What is Organic farming? | |
| c) What are the advantages of Organic Farming? | |
| 6. a) What is SRI? | 2+4+4=10 |
| b) What are the differences between Conventional Paddy Cultivation and SRI? | |
| c) What are the principles of SRI? | |
| 7. a) What is Seed? | 2+3+5=10 |
| b) What is Seed certification? | |
| c) What are the characteristics of a good quality seed? | |
| 8. a) Define Relay Cropping with an outline of this method | 6+4=10 |
| b) What is Inter Cropping? | |

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