

MA RURAL DEVELOPMENT
THIRD SEMESTER
AGRICULTURAL ENGINEERING AND FARM MECHANIZATION
MRD-302
[USE OMR SHEET FOR OBJECTIVE PART]

SET
C

Duration: 3 hrs.

Full Marks: 70

Time: 30 mins.

(Objective)

Marks: 20

Choose the correct answer from the following:

1×20=20

1. IR =
 - a. WR- (ER+ M+GW)
 - b. WR- (ER+ N+GW)
 - c. WR- (ER+ M+GY)
 - d. WR- (OR+ M+GW)
2. Bushes, Sedges grasses used to consider as
 - a. Bio drainage element
 - b. Bio drainage plant
 - c. Bio drainage component
 - d. Bio drainage crop
3. Modernization of Agriculture requires appropriate machinery for ensuring timely
 - a. Field operation
 - b. Field layout
 - c. Field development
 - d. Field utilization
4. Farm Management in economics includes elements
 - a. 1
 - b. 2
 - c. 3
 - d. 4
5. OFD stands for
 - a. On- farm development
 - b. On-field development
 - c. On-field demonstration
 - d. On-farm demonstration
6. Cotton picker is a
 - a. Tillage Implement
 - b. Sowing Implement
 - c. Land development Equipment
 - d. Harvesting Equipment
7. Rotavator is a
 - a. Tillage Implement
 - b. Threshing Equipment
 - c. Intercultural equipment
 - d. Land development Equipment
8. Irrigation is the application of water
 - a. Artificial
 - b. Natural
 - c. Sustaining
 - d. Restricting
9. MB Plough stands for
 - a. Mould board plough
 - b. Machine board plough
 - c. Margine board plough
 - d. Mechanical board plough
10. FYM=
 - a. Field yard manure
 - b. Farmyard manure
 - c. Farmyard mixture
 - d. Farmyard moisture

11. Knapsack is a
- a. Tillage Implement
 - b. Sowing Implement
 - c. Land development Equipment
 - d. Plant Protection Equipment
12. Wheel hand hoe is a
- a. Tillage Implement
 - b. Sowing Implement
 - c. Intercultural equipment
 - d. Plant Protection Equipment
13. CADWM = Command Areaand Water management
- a. Demonstration
 - b. Decentralization
 - c. Distribution
 - d. Development
14. Cono Weeder is an
- a. Intercultural Implement
 - b. Plant Protection Equipment
 - c. Threshing Equipment
 - d. Sowing Equipment
15. Potato digger shaker is a
- a. Tillage Implement
 - b. Sowing Implement
 - c. Land development Equipment
 - d. Harvesting Equipment
16. Disc harrow is a
- a. Tillage Implement
 - b. Sowing Implement
 - c. Intercultural equipment
 - d. Plant Protection Equipment
17. MB Plough is a
- a. Tillage Implement
 - b. Land Development Equipment
 - c. Harvesting Implement
 - d. Sowing Implement
18. Pedal operated paddy thresher is a
- a. Tillage Implement
 - b. Threshing Equipment
 - c. Interculture equipment
 - d. Land development Equipment
19. Leser guided land leveler is a
- a. Tillage Implement
 - b. Harvesting Equipment
 - c. Intercultural equipment
 - d. Land development Equipment
20. Tractor drawn leveler used to consider as
- a. Tillage Implement
 - b. Sowing Implement
 - c. Land development Equipment
 - d. Harvesting Equipment

(Descriptive)

Time : 2 hrs. 30 mins.

Marks : 50

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

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| 1. a. What is Agri machine? | 6+4=10 |
| b. What are the impacts of Meccanization in modern agriculture? | |
| 2. Difference between Traditional and Improved farm machinery- Explain | 10 |
| 3. a. Define Irrigation. | 2+6+2=10 |
| b. What are the objectives of PIM? | |
| C. What are objectives of National Water Policy | |
| 4. Give an account on Plant Protection Equipment | 10 |
| 5. Explain- Irrigation methods of water application | 10 |
| 6. Broadly classify the Agri Machinery | 10 |
| 7. Explain Interculture Equipment | 10 |
| 8. Define Land Development Machinery | 10 |

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