



**GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, ODISHA, GUNUPUR
(GIET UNIVERSITY)**

M. Sc. (Ag.) (First Semester - Regular) Examinations, February – 2025

AGRON- 501, Modern Concepts of Crop Production

(Agronomy)

Time: 2 hrs

Maximum: 50 Marks

Answer ALL questions

(The figures in the right-hand margin indicate marks)

PART – A

(2 x 5 = 10 Marks)

Q.1. Answer **ALL** the questions

	CO #	Blooms Level
a. Define Minimum tillage	CO2	K1
b. Explain Cropping system	CO1	K1
c. Write on Organic Farming	CO1	K1
d. Define AGR (with units)	CO2	K1
e. Expand WCE and write on it.	CO2	K1

PART – B

(6 x 5 = 30 Marks)

Answer **ANY SIX** questions

	CO #	Blooms Level
2. Write down the issues and concerns related to organic farming in context with India.	CO4	K1
3. Mention different components of organic farming	CO3	K4
4. Write briefly 5R's of precision agriculture	CO5	K1
5. Mention different challenges of precision Agriculture.	CO4	K3
6. Write down different types of tillage with flow chart.	CO3	K4
7. Distinguish between the followings with suitable examples.	CO3	K4
a) Dry farming verses Dryland Farming		
b) Conventional Farming verses Conservation Agriculture		
8. Define vermicompost. Describe various methods of vermicomposting.	CO4	K1
9. Mention different weed and nutrient management in organic farming	CO4	K1

PART – C

(10 x 1 = 10 Marks)

Answer **ANY ONE** question

	CO #	Blooms Level
10. Write-down different crop adaptations on drought with diagram.	CO4	K5
11. Explain the modern concept of tillage.	CO3	K1
12. What do you mean by site -specific management? Mention key components and benefits of precision agriculture.	CO5	K1

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