



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

M. Sc. (Ag.) (First Semester - Regular) Examinations, February – 2025
AGRON 503 - Principles and Practices of Weed Management
(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. List the modes of propagation of weeds.	CO1	L1
b. Define Critical period of crop weed competition.	CO2	L1
c. Explain Chemical method of weed control.	CO2	L1
d. Define Pre-emergence herbicide.	CO1	L1
e. Explain Weed Control Efficiency.	CO2	L1

PART – B**(6 x 5 = 30 Marks)**Answer **ANY SIX** questions

	CO #	Blooms Level
2. Define weed index and mention the different cultural method of weed control	CO3	L2
3. Mention the integrated weed management methods in transplanted rice.	CO2	L2
4. Write briefly the cause of herbicide resistance and how it can be overcome	CO4	L1
5. Classify herbicide based on time of application and selectivity.	CO3	L3
6. Define weed. Write down the characteristics of weeds.	CO4	L1
7. Distinguish between the followings with suitable examples.	CO2	L2
a) Obligate weeds verses Facultative weeds		
b) Floating weeds verses Sub merged weeds		
8. Write-down different types of weed seed dispersal.	CO3	L2
9. Mention different mode of action of different herbicide.	CO4	L1

PART – C**(10 x 1 = 10 Marks)**Answer **ANY ONE** question

	CO #	Blooms Level
10. Describe different principles of weed management	CO3	L1
11. Define weed and classify weed based on different parameters with suitable examples.	CO3	L4
12. What do you mean by Bio herbicide. Briefly describe its importance with respect to weed management in agriculture.	CO4	L1

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