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GIET UNIVERSITY, GUNUPUR – 765022
M. Sc. (Ag.) (First Semester) Examinations, November – 2022
AGRON 503 - Principles and Practices of Weed Management

Time: 2 hrs

Maximum : 35 Marks

The figures in the right hand margin indicate marks.

PART – A

Q. 1. Define (or) Explain the following in one or two sentences. (1 x 5 = 5 Marks)

- a. Weed Control Efficiency
- b. Herbicide formulation
- c. Crop bound weeds
- d. Herbicide selectivity
- e. Aquatic weed

PART – B

Q2. Answer ANY FOUR questions. (2.5 x 4 = 10 Marks)

- a. Write down the factors affecting crop-weed competition.
- b. Mention different steps for herbarium preparation.
- c. What is herbicide mixture and mention the types of herbicide mixtures.
- d. Write down the advantages of chemical weed control.
- e. What are the various methods of vegetative propagation in weeds?
- f. Mention the advantages of IWM.

PART – C

Attempt ANY FOUR questions. All question carries equal marks. (5 x 4 = 20 Marks)

3. Classify the weeds based on ontogeny, origin and soil types with suitable examples .
4. Define herbicide resistance. Write briefly the cause and mechanism of herbicide resistance in weeds.
5. What do you mean by herbicide mixture? State the interaction of herbicide with fertilizer and insecticide.
6. Define weed and mention the biological methods of weed control.
7. Classify herbicide based on time of application, selectivity and site of application with suitable examples.
8. Differentiate between the followings with suitable examples.
 - a) Creeping perennial verses bulbous perennial
 - b) Season bound weed verses crop bound weeds

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