



BRAINWARE UNIVERSITY

Term End Examination 2024-2025
Programme – B.Sc.(Ag)-Hons-2022
Course Name – Weed Management
Course Code - EC-BAG571A (T)
(Semester V)

Library
Brainware University
398, Ramkrishnapur Road, Barasat
Kolkata, West Bengal-700125

Full Marks : 50

Time : 2:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 20=20

1. Choose the correct alternative from the following :

- (i) Show the correct option: Simple perennials are reproduced by
 - a) Rhizomes
 - b) Tubers
 - c) Corms
 - d) Seeds
- (ii) Show the correct option: A weed with a balloon structure for effective dissemination
 - a) *Physalis minima*
 - b) *Avena fatua*
 - c) *Phalaris minor*
 - d) *Amaranthus viridis*
- (iii) Show the correct option: A sedge with rhizomes
 - a) *Commelina obliqua*
 - b) *Cyperus rotundus*
 - c) *Scirpus sp*
 - d) *Eleocharis*
- (iv) Show the correct option: Hans Molish is associated with
 - a) Competition
 - b) Eutrophication
 - c) Allelomediation
 - d) Allelopathy
- (v) Show the correct option: The effective control of morphological similar *Phalaris minor* in wheat is achieved with
 - a) 2,4-D
 - b) Glyphosate
 - c) Metsulfuron – methyl
 - d) Isoproturon
- (vi) Show the correct option: C4 weed
 - a) *Avena fatua*
 - b) *Lolium temulentum*
 - c) *Sorghum halepense*
 - d) *Phalaris minor*
- (vii) Show the correct option: *Striga densiflora* and *Orobanche aegyptica* are the weeds of
 - a) Rice and Wheat
 - b) Sugarcane and Mustard
 - c) Wheat and Sugarcane
 - d) Oats and Rice

- (viii) Show the correct option: Test weight of *Phalaris minor* is
a) 10 g b) 15 g
c) 7g d) 2 g
- (ix) Show the correct option: The period at which maximum crop weed competition occurs is
a) Critical period b) Dormancy
c) Flaming d) Threshold
- (x) Show the correct option: A pre plant incorporated herbicide
a) Paraquat b) Delapon
c) Uracils d) Fluchloralin
- (xi) Show the correct option: What is the chemical name of MCPA?
a) 2-(4-chloro-2 methylphenoxy acid b) 4-(4 chloro-2 methylphenoxy acid
c) 4- chloro-2 – methylphenoxy acid d) 2,4-dichlorophenoxy acid
- (xii) Show the correct option: Which is non selective herbicide ?
a) Glyphosate b) Fluchloralin
c) 2,4-D d) Propanil
- (xiii) Show the correct option: Metsulfuron herbicide belong to which group
a) Sulfonylureos b) Pyridines
c) Benzoic d) Carboxylic group
- (xiv) Show the correct option: Herbicides prone to photo decomposition such as Trifluralin, monuron, chloramben and PCP should be applied in
a) Morning b) Evening
c) Afternoon d) all
- (xv) Show the correct option: Humicants acts as an agent to prevent
a) Washing off b) Spreading
c) Drying d) Incompatibility
- (xvi) Show the correct option: A herbicide is used to kill what type of pest?
a) plants b) insects
c) Diseases d) bacteria
- (xvii) Show the correct option: A herbicide applied to the soil beforeplanting a crop is called a
a) pre-emergence b) Post-emergence
c) Pre-plant d) None
- (xviii) Show the correct option: The term allelopathy was given by
a) Rice (1974) b) Molisch (1937)
c) Decondole (1832) d) Molisch (1930)
- (xix) Show the correct option: Which among the following bioherbicide has control efficiency more than 90per cent?
a) Collego b) Devine
c) CASST d) Biomal
- (xx) Show the correct option: Epinasty of cotton is used to measurequalitative assay of
a) Atrazine b) 2,4-D
c) Diuron d) Alachlor

Group-B

(Short Answer Type Questions)

$$2.5 \times 10 = 25$$

2. Construct a short note on the Band application of herbicide (2.5)

- | | |
|--|-------|
| 3. Explain the term soil fumigation | (2.5) |
| 4. Discuss about the pre-planting herbicide | (2.5) |
| 5. Discuss about the pre-emergence herbicide | (2.5) |
| 6. Discuss about the post-emergence herbicide | (2.5) |
| 7. Classify weeds based on life span | (2.5) |
| 8. Classify weeds based on origin | (2.5) |
| 9. Explain the term Endozoochory | (2.5) |
| 10. Explain the term allelopathy | (2.5) |
| 11. Discuss about blanket application of herbicide | (2.5) |
| OR | |
| Discuss about spot treatment of herbicide | (2.5) |

Group-C
(Long Answer Type Questions)

5 x 1=5

- | | |
|--|-----|
| 12. Discuss about crop weed competition | (5) |
| OR | |
| Discuss about allelopathic effects of crop on weed | (5) |
