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Term End Examination 2025-2026
Programme – B.Sc.(Ag)-Hons-2022/B.Sc.(Ag)-Hons-2023
Course Name – Weed Management
Course Code - EC-BAG571A (T)
(Semester V)

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: Commelina benghalensis bearing short-lived blue-coloured flowers is a -

a) Monocot b) Dicot
c) Spermatophyte d) Pteridophyta

(ii) Show the correct option: Simple perennials are reproduced by -

a) Rhizomes b) Tubers
c) Corms d) Seeds

(iii) Show the correct option: The first prominent instance of biochemical mimicry-based crop-associated weed under Indian perspective is -

a) Saccharum spontaneum in sugarcane b) Phalaris minor in wheat
c) Wild rice Oryza longistaninata in rice d) Itch grass (Rottboellea cochinchinen-sis) in upland rice

(iv) 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

(v) Show the correct option: Cultivation of water chestnut is abandoned in India due to -

a) Lantana camara b) Eichhornia
c) Mikania micrantha d) Acacia mearnssi

(vi) Show the correct option: Eichhornia crassips is a representative of -

a) Free floating b) Rooted floating
c) Rooted submerged d) Emergent

(vii) Show the correct option: The partial root parasite is -

a) Cuscuta b) Loranthus
c) Striga d) Orobanche

(viii) Show the correct option: A sedge with rhizomes is -

a) Commelina obliqua b) Cyperus rotundus

c) Scirpus sp
d) Eleocharis

(ix) Show the correct option: A lowland rice sedge is -

a) Cyperus iria
b) Cyperus difformis
c) Cyperus esculentus
d) All

(x) Show the correct option: Hans Molisch is associated with -

a) Competition
b) Eutrophication
c) Allelomediation
d) Allelopathy

(xi) Show the correct option: Which of the following gives effective control of Phalaris minor in wheat?

a) Hand weeding
b) Inter-cultivation
c) Flaming
d) Clodinafop-proparygyl

(xii) Show the correct option: A selective post-emergence herbicide is -

a) 2,4-D
b) Glyphosate
c) Paraquat
d) All

(xiii) Show the correct option: A non-selective contact herbicide

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a) Glyphosate
b) Paraquat
c) 2,4-D
d) None

(xiv) Show the correct option: A soil applied herbicide is -

a) Glyphosate
b) Paraquat
c) 2,4-D B
d) Fluchloralin

(xv) Show the correct option: A natural herbicide amongst the following is -

a) Devine
b) Glyphosate
c) Potassium chloride
d) 2,4-D

(xvi) Show the correct option: A micro-herbicide is -

a) Bt
b) Collago
c) NPV
d) Zygogramma

(xvii) Show the correct option: Flaming and steaming are successful practical weed control tools in -

a) Asian countries
b) Western countries
c) African countries
d) Japan

(xviii) Show the correct option: The practice that directly hit soil weed seed bank in minimizing future weed infestation -

a) Microwave irradiation
b) Soil solarisation
c) Stale seed bed
d) All

(xix) Show the correct option: A practice that does not necessarily involve tillage is -

a) Summer ploughing/hot weather cultivation
b) Stale seed bed
c) Soil solarisation
d) None

(xx) Show the correct option: Soil solarization increases soil temperature by -

a) 10-12 degree centrigrade
b) 3-4 degree centrigrade
c) 15-16 degree centrigrade
d) 20-22 degree centrigrade

Group-B

(Short Answer Type Questions) 2.5 x 10=25

2. Explain the solarization method of weed control. (2.5)
3. Explain the stale seedbed method of weed control. (2.5)
4. Summarize the advantages of IWM. (2.5)
5. Classify the herbicide based on chemical nature. (2.5)
6. Discuss about blanket application of herbicide. (2.5)
7. Discuss about directed spraying of herbicide. (2.5)
8. Discuss about spot treatment of herbicide. (2.5)
9. Discuss about the protected spraying of herbicide. (2.5)

10. Discuss about the pre-planting herbicide. (2.5)
11. Discuss about the pre-emergence herbicide. (2.5)

OR

Discuss about the post-emergence herbicide. (2.5)

Group-C

(Long Answer Type Questions) 5 x 1=5

12. Discuss about weed management of rice crop. (5)

OR

Discuss about weed management of maize crop. (5)

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