



KERALA AGRICULTURAL UNIVERSITY
B.Sc (Hons.) Agriculture 2012 & Previous Admissions (Old Scheme)
II Semester Re- Examination-August 2017

Agro. 1204

Weed Management (1+1)

Marks: 80
Time: 3 hours

I Fill in the blanks:

(10 x 1=10)

- 1 An example for a floating weed is -----
- 2 Common name for *Striga* is -----
- 3 The scientific name for purple nut sedge is -----
- 4 ----- leguminous weed is found to suppress the growth of Parthenium.
- 5 The recommended nozzle for herbicide application is -----
- 6 Biological control is effective on ----- weeds.
- 7 ----- is a bioherbicide.
- 8 2,4-D is a ----- herbicide. (selective systemic/non selective contact)
- 9 ----- is a mimicry weed in rice.
- 10 Substances used for reducing phytotoxicity of herbicides on crop plants are known as -----

II Write short notes on any TEN:

(10 x 3=30)

- | | |
|----------------------------|--|
| 1 Stale seed bed. | 7 Preventive weed control. |
| 2 Dispersal of weed seeds. | 8 Crop-weed competition. |
| 3 Dormancy in weed seeds. | 9 Classification of weeds according to life cycle. |
| 4 Adjuvants. | 10 Mulching as a method of weed control |
| 5 Forms of 2,4-D. | 11 Types of parasitic weeds. |
| 6 Shifts in weed flora. | 12 Merits of chemical weed management. |

III Answer any SIX:

(6 x 5=30)

- 1 What are bioherbicides? Give examples. Mention the advantages and disadvantages of weed control with bio herbicides.
- 2 Give an account of weed control through crop husbandry/agronomic methods.
- 3 Explain the chemical classification of herbicides with examples.
- 4 Explain the mechanisms of herbicide selectivity with examples.
- 5 Briefly explain the classification of aquatic weeds with examples.
- 6 Explain the different methods of herbicide application, citing examples for the crop/situation where it is applicable.
- 7 Define allelopathy. What are the types of allelopathy? Discuss with examples the application of allelopathy in weed control.
- 8 Characteristics of weeds.

IV Write essay on any ONE:

(1 x 10=10)

- 1 List out the important weeds in rice and suggest integrated methods for weed control in rice.
- 2 What is biological control? Mention the criteria for a good biological control agent. Discuss about successful biocontrol of weeds in Kerala.
