

# KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag. 2014 Admission

II<sup>nd</sup> Semester Final Examination- July/August-2015

Cat. No: Agro.1204

Title: Weed Management (1+1)

Marks: 50

Time: 2 hours

(10 x 1=10)

## I) Fill up the blanks

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

## II Write short notes on any FIVE

(5 x 2=10)

1. Classification of parasitic weed
2. Alien aquatic weeds in Kerala ✓
3. Dormancy in weed seeds ✓ (3)
4. Classification of weeds according to life cycle (6)
5. Anilide herbicides
6. Shifts in weed flora ✓ (4)
7. Preventive weed control ✓ (5)

## III Write short notes on any FIVE

(5 x 4=20)

1. What are bioherbicides. Give examples? Mention the advantages and disadvantages of weed control with bio herbicides - (3)
2. Give an account of weed control through crop husbandry / agronomic methods
3. Suggest integrated methods for weed control in rice
4. Explain the mechanism of weed dispersal with examples ✓ (4)
5. Briefly explain the nomenclature of herbicides citing examples ✓
6. What are the factors determining absorption and translocation of herbicides ✓
7. Explain the different methods of herbicide application ~~citing examples for the crop / situation where it is applicable~~ - (7)

6. Elucidate Aquatic weeds and their control.

**IV Write essay on ANY ONE**

(1 x 10=)

1. What is biological control? Mention the criteria for a good biological control agent. Discuss about successful biocontrol of weeds in Kerala

2

2. Explain the chemical classification of herbicides with suitable examples

\*\*\*\*\*