

**KERALA AGRICULTURAL UNIVERSITY**  
**B.Sc. (Hons.) Agriculture – 2009 Admission - II<sup>nd</sup> Semester**  
**Final Examination - August 2010**

Cat. No. : Agro 1204  
Title : Weed Management (1+1)

Max. marks: 80  
Time : 3 hours

I. Fill up the blanks / Match the following / State True or False / Define : (10 x 1 = 10)

1. Barnyard grass is an example for \_\_\_\_\_ weed.
2. \_\_\_\_\_ is a post emergence herbicide used for rice.
3. Herbicide applied before sowing is known as \_\_\_\_\_.
4. Queen of garden land weed is \_\_\_\_\_.
5. Mulching is a \_\_\_\_\_ method of weed control.
6. The transpiration ratio of weed is more than crops (True / False)
7. Trade name of Fluchloralin is glycel (True / False)
8. Define Allelopathy.
9. Soil solarization.
10. Define Weed succession.

II. Write short notes / answers etc. on ANY TEN

(10 x 3 = 30)

1. Explain the principles of chemical weed control.
2. Discuss the factors affecting distribution of weeds.
3. Discuss the various losses caused by weeds.
4. Discuss on the weed crop competition.
5. Weed management practices for the control of *Cyperus rotundus*.
6. Explain the concept of eradication of weed.
7. Write on the compatibility of herbicides with other agrochemicals.
8. Give the biology and control of orobanche.
9. Discuss about biological control of weeds.
10. How weeds are persistent ? Explain.
11. What is herbicide formulation ? Give the Details.
12. Write on the integrated weed management practices for rice and banana.

**III. Write short essays on ANY SIX of the following**

**(6 x 5 = 30)**

1. Give the different classification of weeds with suitable examples.
2. Write on the factors affecting ecology of weeds.
3. Discuss on the propagation and dissemination of weeds.
4. Give an account of crop weed competition and allelopathy.
5. Explain the principles involved in the control of weeds.
6. What is herbicide selectivity? Discuss on the various mechanisms to achieve herbicide selectivity in crops.
7. Write on the biology and control of problematic weeds – *Cynodon dactylon* and *Eichornia crassipes*.
8. Give the herbicide classification and methods of application.

**IV. Write essays on ANY ONE**

**(1 x 10 = 10)**

1. Write in detail on the various integrated weed management practices for plantation crops.
2. Discuss the various factors affecting herbicide absorption and translocation in plants.

Also give the details on the fate of herbicides applied to soil and plant.