

# KERALA AGRICULTURAL UNIVERSITY

B.Sc. Hons (Ag) 2011 Admission  
II<sup>nd</sup> Semester Final Examination, August 2012

Cat. No: Agro.1204

Title: Weed Management (1+1)

Marks: 80

Time: 3 hours

## I Fill up the blanks/Match the following

(10 x1=10)

### A. Fill up the blanks

1. Butachlor is available in .....formulation.
2. The biocontrol agent used for controlling *Parthenium* is.....
3. ....is a partial root parasite in sugarcane.
4. Collego is example of.....
5. Application of herbicide before the emergence of weed is termed as.....

### B Match the following

- |                                      |                      |
|--------------------------------------|----------------------|
| 6. Pre emergence herbicide           | - (i) Methyl bromide |
| 7. Non selective contact herbicide   | - (ii) Pendimethalin |
| 8. Non selective systemic herbicide  | - (iii) 2, 4-D       |
| 9. Fumigants                         | - (iv) Paraquat      |
| 10. Selective and systemic herbicide | - (v) Glyphosate     |

### III Write short notes on Any TEN

(10 x 3=30)

1. Briefly discuss the crop-weed interaction in agro ecosystems.
2. IWM
3. Herbicide selectivity
4. Biological weed management.
5. Adjuvants.
6. Weed shift.
7. Classify the weeds according to morphological characters with examples.
8. Briefly indicate the types of allelopathy.
9. Define 'parasitic weed' Give an example.
10. Weed management in coconut.
11. Merits and demerits of chemical weed management,
12. What does weed seed dormancy mean? Indicate the types of dormancy with examples.

### IV Write short essays on Any SIX

(6 x5=30)

1. Describe the factors effecting crop weed competition.
2. Explain the different methods of herbicide application.

3. Briefly explain the mechanisms of weed dispersal with examples.
4. Cultural methods of weed management.
5. Give in detail about weed succession.
6. Explain the compatibility of herbicides with other agrochemicals.
7. Herbicide formulations.
8. Weed management in pineapple and coffee.

**V Write essay on Any ONE**

**(1 x 10=10)**

1. Discuss about aquatic weeds and their control measures.
2. Explain the concepts of weed control.

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