

# KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag. 2013 Admission

II<sup>nd</sup> Semester Final Examination- August-2014

Cat. No: Agro.1204

Title: Weed Management (1+1)

Marks: 50

Time: 2 hours

**I) Fill up the blanks/State True or False**

(10 x 1=10)

1. \_\_\_\_\_ is an important parasitic weed in sugarcane
2. The term ' Allelopathy' was coined by \_\_\_\_\_
3. \_\_\_\_\_ herbicide is used as growth regulator
4. Weed not native to our country is called as \_\_\_\_\_
5. \_\_\_\_\_ is an example of biennial weed
6. The biocontrol agent used to control water hyacinth is \_\_\_\_\_
7. \_\_\_\_\_ is the most suited wetland paddy weeder
8. \_\_\_\_\_ is an example of contact herbicide
9. Orobanche (broom rape) is the parasitic weed in tobacco (T/F)
10. Adjuvants are toxic substances in herbicide(T/F)

**II Write short notes on ANY FIVE**

(5 x 2=10)

1. Mention the uses of weeds
2. Stale seed bed
3. Differentiate 'selective herbicide' from 'Non selective herbicide' with examples
4. Define 'Half life of herbicide'
5. What do you understand by 'Satellite weeds'? Give suitable examples
6. Define 'Adjuvants' and their uses
7. Define 'Wettable powder' with examples

**III Write short essays on any FIVE of the following**

(5 x 4=20)

1. Define IWM. Give the IWM practices for rice
2. Explain the concepts of weed control
3. Explain the dormancy of weed seeds and their types with example
4. Discuss about advantages and disadvantages of herbicide usage
5. Define 'Herbicide formulation' and explain the different types of herbicide formulations with suitable examples
6. Causes of weed shift and steps to overcome it
7. Briefly explain the mechanism of action and soil activity of paraquat

**IV Write essay on ANY ONE**

(1 x 10=10)

1. Discuss about parasitic weeds and their control measures
2. Describe the factors affecting weed seed dispersal with suitable examples