

KERALA AGRICULTURAL UNIVERSITY

B.Sc Hons (Ag) 2012 Admission

IInd Semester Final Examination- August/September -2013

Cat. No: Agro.1204

Title: Weed Management (1+1)

Marks: 80

Time: 3 hours

I a) Fill up the blanks

(10 x 1=10)

1. 2, 4-D is generally used as post emergent herbicide in _____
2. Butachlor herbicide is available in the market in _____ formulations
3. Purity of glyphosate herbicide available in the market is _____
4. Based on the time of application of herbicides, atrazine is classified as _____
5. In directed spray of herbicide application, herbicide is usually applied _____
6. Sub surface application of herbicide is effective against _____ weeds
7. Paraquat controls the weeds when it is applied as _____
8. *Echinochloa spp* belongs to _____ family
9. Herbicides prepared from fungal pathogens are called as _____
10. The fundamental principle of plant ecology says that early occupants of the ground tend to _____ the later ones.

II Write short notes on ANY TEN

(10 x 3=30)

1. Foliage active herbicides
2. Herbicide activity
3. Directed application of herbicide
4. Blanket application of herbicide
5. Pre requisites for pre emergent herbicide
6. Critical period of crop weed competition
7. Crop bound and crop associated weeds
8. Herbicide formulations
9. Limitations of herbicides
10. Mode of action of paraquat herbicide
11. Biological control of aquatic weeds
12. Soil solarisation

III Write short essays on ANY SIX of the following

(6 x 5=30)

1. What happens when pre emergent herbicide is used as post emergent herbicide

2. Discuss about different methods of herbicide application
3. Cultural methods of weed control
4. One year seedling seven year's weeding-Discuss
5. Compatibility of herbicides with other agrochemicals
6. Role of adjuvants in herbicide and their use in herbicides
7. Chemical weed control in cowpea
8. Characteristics of weeds

IV Write essay on ANY ONE

(1 x10=10)

1. Give the classification of herbicides based on chemical composition and explain the mode of action of phenoxy group of herbicides
2. Integrated weed management in rice
