

KERALA AGRICULTURAL UNIVERSITY
B.Sc (Hons.) Ag. Degree Programme 2012 & Previous Admission
IInd Semester Final Examination August-2016

Cat. No: Agro. 1204

Marks: 80.00

Title: Weed Management (1+1)

Time: 3 hrs

I Fill up the blanks

(10 x 1 =10)

1. A change in the composition or relative frequencies of weeds in a weed population is called -----
2. Weed resistance is linked to genetically engineered crops alone (True / False)
3. Chemicals used to inactivate the applied herbicides are called -----
4. A plant designated by a Government as injurious to public health, agriculture, recreation, wild life or property is classified under the category of ----- weeds.
5. *Panicum repens* spreads primarily through -----
6. The weed rapidly spreading in Kerala causing erosion of biodiversity and listed in the IUCN's "List of the world's 100 worst invasive species" is -----
7. An emergent weed (*Typha angustata* / *Salvinia molesta*)
8. A free floating weed (Water lettuce / Lotus)
9. ----- is a post emergent, systemic non-selective herbicide
10. ----- is a post emergent, contact non-selective herbicide

II Write short notes ANY TEN

(10 x 3 =30)

1. Allelopathy.
2. Critical periods of weed competition.
3. Classification of parasitic weeds.
4. Advantages of herbicide mixtures.
5. Herbicide – fertilizer interaction.
6. Bioherbicides.
7. Herbicide formulations.
8. Weed shift.
9. Parasitic weeds.
10. Weed succession.
11. Weed management in pineapple.
12. Weed management in coffee.

III. Explain ANY SIX of the following

(6 x 5 =30)

1. Write the classification of weeds based on ecological affinities with suitable examples
2. List out the measures for preventive weed control
3. Briefly discuss about the cultural methods of weed control
4. Discuss the classification of herbicides based on the time of application
5. Discuss about the various methods of perennial weed management quoting suitable examples.
6. Explain the measures for managing herbicide residues in soils
7. Write the merits and demerits of biological measures of weed control
8. Discuss the factors determining absorption and translocation of herbicides.

IV. Write essay on ANY ONE

(1 x 10=10)

1. Define herbicide selectivity. Discuss the mechanisms of herbicide selectivity
2. Discuss about integrated weed management concept with special reference to different systems of rice cultivation in Kerala.
