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KERALA AGRICULTURAL UNIVERSITY

B.Sc (Hons.) Ag. Degree Programme 2015 Admission

IInd Semester Final Examination August-2016

Cat. No: Agro. 1204

Marks: 50.00

Title: Weed Management (1+1)

Time: 2 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 ----- 8
2. Weed resistance is linked to genetically engineered crops alone (True / False) 9
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 FIVE

(5 x 2 =10)

1. Allelopathy ✓
2. Critical periods of weed competition ①
3. Classification of parasitic weeds ②
4. Advantages of herbicide mixtures
5. Herbicide – fertilizer interaction
6. Bioherbicides ✓
7. Herbicide formulations

7. Harmful and beneficial effect of weed

(5 x 4 =20)

III. Explain ANY FIVE of the following

1. Write the classification of weeds based on ecological affinities with suitable examples ①
2. List out the measures for preventive weed control
3. Briefly discuss about the cultural methods of weed control ✓ ②
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 ✓ ③
7. Write the merits and demerits of biological measures of weed control

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 ✓ ④
