



EMBU UNIVERSITY COLLEGE

(A Constituent College of the University of Nairobi)

2015/2016 ACADEMIC YEAR

SECOND SEMESTER EXAMINATION

EXAMINATION FOR DIPLOMA IN CROP PROTECTION

ACP 015: WEEDS AND THEIR MANAGEMENT

DATE: APRIL 8, 2016

TIME: 11:00AM-01:00PM

INSTRUCTIONS:

Answer Question ONE and ANY Other TWO Questions

QUESTION ONE

- a) Kangaru school agriculture students are wondering if they should classify as weeds a number of potato plants growing in their plot of beans. As a crop protection specialist, advice these students on what qualifies as weed. (4 Marks)
 - b) You have a field day out to the university farm to physically differentiate the different weed seed dispersal methods. What would be the characteristics you would be looking for in wind dispersed weed seeds. (5 Marks)
 - c) When revising your notes, your friend taking mathematics comes across a paper in your book written weed biology and weed ecology. He wonders what these two mean, what would you tell him the differences are? (4 Marks)
 - d) What are the limitations of using weed threshold as weed management determinant (5 Marks)
 - e) List FIVE factors that influence wind dispersal. (5 Marks)
 - f) Briefly explain why weeds can only be managed and not completely eradicated. (2 Marks)
 - g) With examples, give THREE ways through which weed seeds are disseminated by animals. (5 Marks)
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h) List five ways weeds interfere with growth of desirable crops. (5 Marks)

QUESTION TWO

Your cousin living in the neighboring Meru County visits you in the University, when taking him around the campus farm; He realizes that most of the weeds are similar to those from Meru. He poses to you a question wanting to know why they are similar further how they might have been disseminated. What would be your response? (20 Marks)

QUESTION THREE

Discuss **FIVE** methods of weed control. (20 Marks)

QUESTION FOUR

Your lecturer asks you to discuss the different ways through which you can group weeds, discuss your response. (20 Marks)

QUESTION FIVE

Discuss the approaches you would use to control weeds in cereals, legumes and industrial crops. (20 Marks)

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