

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**EXAMINATION FOR THE AWARD OF DEGREE OF MASTER OF SCIENCE IN
CROP PROTECTION AND AGRONOMY**

AGRI 837: ADVANCED WEED SCIENCE

STREAMS: MSC AGRI

TIME: 2 HOURS

DAY/DATE: MONDAY 08/04/2024

11.30 A.M – 2.30 P.M.

INSTRUCTIONS:

- Answer ALL questions in SECTION A and TWO questions in SECTION B.

SECTION A (20 MARKS)

1. Differentiate between weed control and weed management. (2 marks)
2. Explain special features possessed by weeds which are usually dispersed by wind. (5 marks)
3. Discuss the reason why weed continue to persist in agricultural field despite various effort by the farmer to eradicate them. (5 marks)
4. Discuss problems occurring in agriculture, horticulture and forestry as a result of allelochemicals released by weeds. (8 marks)

SECTION B (40 MARKS)

5. As a weed scientist you are hired to give advice on steps to follow while introducing/releasing insect bio-agents control exotic weed, give a detailed account of the procedure to follow. (20 marks)
6. (a) Discuss prevention as a principle of weed control. (8 marks)
(b) Discuss different ways in which weeds may mimic with crops therefore evading eradication. (12 marks)

7. Discuss three principal requirements for manipulating herbicide resistance in plants through biotechnology. (20 marks)
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