NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF CROP AND SOIL SCIENCE
2025_2 EXAMINATIONS

COURSE TITLE: Weed Science and Control ***(2 CU)***
COURSE CODE: CRP 501
TOTAL SCORE: ***70 MARKS***
INSTRUCTION: ***Answer 3 questions in all***
Question 1 is compulsory (30 marks) and any other TWO questions 20 marks each)
TIME ALLOWED: 2 ½Hours

1.a. The form of the herbicide affects both its efficiency and potential for environmental pollution, elucidate this statement by explaining in detail granular formulation and enumerating its ten advantages over other herbicides formulation. (10 marks).

b. When herbicides are formulated, the manufacturers make them in different forms, state five objectives of herbicide formulation. (2 marks each giving 10 marks)

c. State five Basis for herbicide selectivity, (2 marks each giving10 marks).

2. You were invited as one of the resource persons in extension exercise in a farm settlement, exhaustively explain to the farmers (i) Response of plants to herbicides: (ii) Susceptibility of plant to herbicide (iii) tolerance of plant to herbicide and (iv) Resistance of plant to herbicide. (5 marks each giving 20 marks).

3. a. Some herbicide equipment operators complained to you about unpleasant experiences in their body system after some herbicide application jobs they performed, explain to them how to reduce hazards due to exposure to herbicides. (10marks).

b. Enlighten the members of your school 'Young farmers' Association' by briefly explaining to them the best approach to disposal of herbicide. (10 marks)

4. a. Differentiate these terms: (i) Emulsifiable concentrates (E, EC)
(ii) Wettable Powder (W, WP) (5 marks each giving (10 marks)

b. Some weed species survive despite several applications, list factors that affect herbicide performance. (10 marks)

What is herbicide formulation

b. Explain the different form of herbicide formulation.

c.

2. a. What are the

b.

c. List 5 plants that are tolerance to herbicide.

4. a

c. List the plant characteristics that affect herbicide selectivity.

5.a. Explain herbicide selectivity base on time of application.

b. Give the 3 methods of herbicide application in crop with one example each.