



**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF CROP AND SOIL SCIENCES
2025_1 EXAMINATION...**

COURSE TITLE: WEED SCIENCE AND CONTROL (3 CU)

COURSE CODE: CRP 501

TOTAL SCORE: 70 MARKS

INSTRUCTION: Answer FOUR Questions in all.

Question 1 is compulsory (25marks) and any THREE Questions (15 marks each)

TIME ALLOWED: 3 hours

Q1

- (a) Mention the benefits that we can derive from weeds in Nigeria (15 marks)
- (b) Enumerate ways of preventing the spread of weed seeds and their propagules on our farms (10 marks)

Q2

- (a) Discuss in detail weed seed dispersal in space (5 marks)
- (b) Below are the selected species of weeds. Indicate their respective propagules and mode of dispersal (10 marks)

S/N	Species of weed	Propagules	Mode of dispersal
1	<i>Agerantum conyzoides</i>		
2	<i>Acanthosperm hispidium</i>		
3	<i>Imperata cylindrical</i>		
4	<i>Imperata acquatica</i>		
5	<i>Cassia occidentalis</i>		

Q3

What do you understand by :

- (a) Selective and non-selective herbicides
- (b) Systemic herbicides
- (c) Soil-acting herbicides (5 marks each)

Q4

- (a) What procedures are you expected to follow in case of herbicide spillage (7 marks)
- (b) Enumerate the safety precautions to observe when disposing herbicide containers and left-overs (8 marks)

Q5

What are the critical environmental/weather/edaphic related factors to consider when spraying herbicides (15 marks)