



**NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF CROP AND SOIL SCIENCE
2024_2 EXAMINATION**

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 (25 marks) and any other TWO questions (20 marks each)

TIME ALLOWED: 2½ Hours

1. a. Weeds have the ability to Crisscross lands and seas, differentiate between weed seeds dispersal in space and time. (10 marks).
- b. Write in details the differences between weed control and weed eradication. (10 marks).
- c. You are one of the Extension Personnel in your Local Government Area, give five merits and demerits farmers in your area should adopt mechanical weeding over other weeding methods. (10 marks).
2. a. There are various methods of getting rid of the menace of weeds for maximum crop productivity, highlight on cultural methods of weed control. (ii) chemical method of weed control (iii) preventive methods of weed control (iv) integrated Weed management weed management. (5 marks each)
3. a. Though bush burning is very inimical in agriculture, explain 'controlled bush burning' also stating its five advantages. (10 marks)
- . b. People say 'prevention is better than cure', elucidate this by stating five benefits and limitations of 'mulching' as a farm operation to minimize weeds. (5 marks)
- c. Most farm lands have suffered degradation as a result of use of heavy machines for land clearing and continuous application synthetic herbicides, explain 'Biological control with invertebrate animals' stating its five advantages and disadvantages for recommending biological control of weeds by insect. (5 marks)
4. a. Write short notes on the following: (i) Live mulch. (ii). Crop rotation as a measure of weed control (iii) Flooding (iv) Allelopathy (2 mark for any 10 points =20 marks)