



**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**FACULTY OF AGRICULTURAL SCIENCES**

**COURSE CODE: CRP 304 [2 CREDITS]**

**COURSE TITLE: PRINCIPLES OF HORTICULTURAL CROP**

**2021 POP EXAMINATION**

**INSTRUCTIONS: ANSWER ANY FOUR (4) QUESTIONS. QUESTION 1 IS  
COMPULSORY (25 marks) AND ANY OTHER THREE (15 marks each)**

### **QUESTIONS**

- 1 Define Horticultural Machinery (5 Marks)
  - b. Describe the Plough (5 Marks)
  - c. With the aid of drawings, describe the following Horticultural Tools and their Uses (15 Marks)
    - i. Axe
    - ii. Hand trowel
    - iii. Rake
- 2 Classify horticultural plants under the following headings:
  - a. Use
  - b. Growth habit
  - c. Life Cycle
  - d. Climatic requirement (15 marks)
- 3 What is Plant Propagation? (5 marks)
  - b. Explain the method of sexual reproduction in horticultural crops (10 marks)
- 4 Explain the roles of the following in the growth of horticultural crops

- i. Soil                      ii. Biotic factors (9 marks)
- b. Give three examples each of the following crops:
  - i. Temperate crops                      ii. Tropical crops                      iii. Sub-tropical crops (6 marks)
- 5      State five (5) advantages and five (5) disadvantages of vegetative propagation of horticultural crops (10 marks)
  - b. List any five (5) methods of vegetative propagation in horticultural crops (5 marks)
- 6      State two (2) advantages and three (3) disadvantages of budding/ bud grafting? (5 marks)
  - b. Explain the Budding/Bud Grafting process of vegetative propagation (10 marks)