



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF CROP AND SOIL SCIENCES

EXAMINATION: FIRST SEMESTER POP EXAMINATION APRIL 2109_1

COURSE TITLE: PRODUCE AND POST HARVEST MANAGEMENT

COURSE CODE: CPT514

CREDIT UNITS: 2

TOTAL SCORE: 70 MARKS

TIME ALLOWED: 2hours 30minutes

INSTRUCTIONS: Answer four questions in all

Question 1 is compulsory (25marks) and any three questions (15 marks each)

Q1.

- a. Highlight three effects each of wind and air on crop growth and development. (6marks)
- b. State any four (4) Importance of Post-Harvest Technology (8marks)
- c. Mention the Methods of Crop Storage with two examples each. (8marks)
- d. State the factors to determine the choice for the best storage method. (3marks)

Q2.

- a. State the Climatic factors in relation to maturity, ripening and senescence of crop? (6marks)
- b. List all the Factors affecting ripening of fruits and vegetables and explain any two. (9marks)

Q3

- a. Define Post-Harvest Technology (3marks)
- b. Give three examples of each of the following:
 - i. chemicals that delays ripening
 - ii. chemicals that hasten ripening
 - iii. climacteric fruits
 - iv. non-climacteric fruits (12marks)

Q4.

- a. Classify into groups the causes of post-harvest losses and name three examples from each group. (10marks)
- b. List the Post-Harvest Treatments to Minimize Produce Contamination and to Maximize Quality? (5marks)

Q5

- a. list the available technologies of Reducing Post harvest losses. (12marks)
- b. State all the identified operations carried out prior to packaging (3marks)

Q6.

- a. List and Briefly explain the categorization of the Types of Agricultural Processing. (9marks)
- b. What are the Challenges of processing crop produce? (6marks)