



NATIONAL OPEN UNIVERSITY OF NIGERIA

FACULTY OF AGRICULTURAL SCIENCES

DEPARTMENT OF CROP SCIENCE

EXAMINATION: SECOND SEMESTER POP EXAMINATION FEBRUARY 2108

COURSE TITLE: PRODUCE AND POST HARVEST MANAGEMENT (2CU)

COURSE CODE: CPT514

TOTAL SCORE: 70 MARKS

TIME ALLOWED: 3 hours

INSTRUCTION: *Answer compulsory question 1 (25marks) and any three questions (15 marks each)*

Q1.

- a. Enumerate the effects of wind and air on crop growth and development. (5marks)
- b. List the Importance of Post-Harvest Technology. (10marks)
- c. Mention the Methods of Crop Storage with two examples each and also the factors to determine the choice for the best storage method. (10marks)

Q2.

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

(9marks)

Q3

- a. What is Post-Harvest Technology?(3marks)
- b. Give two 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. Attempt to classify into groups the causes of post-harvest losses and name three example of each group.(10marks)
- b. What are the Post-Harvest Treatments to Minimize Produce Contamination and to Maximize Quality. (5marks)

Q5

- a. List the technologies of Reducing Post harvest losses. (12marks)
- b. Describe operations prior to packaging(3marks)

Q6.

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