



**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)