



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

EXAMINATION: SEPTEMBER 2020

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

COURSE CODE: CPT514

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. Discuss fully the effects of rainfall on crop growth and development. (20marks)
 - b. List five Specific examples of excess nitrogen negatively affecting crop quality include.(5marks)
- Q2 Describe the physiological and community stages of maturity with examples.(10marks)
- Q3
- a. State the procedures of controlling relative humidity in storage of crop produce. (10marks)
 - b. Enumerate the principles of food safety assurance. (5marks)
- Q4.
- a. Enumerate the effect of excess nitrogen application on crops. (12marks)
 - b. Briefly highlight the Effects of the environment on food losses. (3marks)
- Q5
- a. State the basic principles which must be correctly applied for successful refrigeration of perishable crops. (6marks)
 - b. Describe briefly pack house operations to maximize quality of crop products. (9marks)
- Q6. Discuss in details the challenges of food processing in Nigeria. (15marks)