



NATIONAL OPEN UNIVERSITY OF NIGERIA
FACULTY OF AGRICULTURAL SCIENCES
Km 4 Kaduna-Zaria Expressway Rigachikun, Kaduna
DEPARTMENT OF CROP AND SOIL SCIENCES
SEPTEMBER, 2020_1

COURSE CODE: AEM 713

COURSE TITLE: TREE CROPS PRODUCTION

TOTAL CREDIT UNIT: 2CU

INSTRUCTIONS: Answer four questions in all. Question one is compulsory and it carries 25 marks. Any three is 15 marks each.

TIME ALLOWED: 2.30 hours

- 1) (a) Differentiate between sexual propagation and vegetative propagation (10 marks)
(b) “Iroko” is a tree which grows in the forest zones of Nigeria. Determine why the tree is one of the tree crops grown in Nigeria (5 marks)
(c) Justify the importance of accessibility to water as a factor to consider in the selection of nursery sites (10 marks)
- 2) (a) List ten (10) nursery equipment that should be available in a college orchard.(10 marks)
(b) Mention five (5) nursery materials that are very essential in a nursery (5 marks)
- 3) (a) With their corresponding generic names, mention five (5) important citrus species grown in Nigeria (5 marks)
(b) Discuss in detail pests and diseases of citrus in Nigeria.(10 marks)
- 4) (a) List five (5) cultivars of guava that have been found to be promising for cultivation in Nigeria (5 marks)
(b) Discuss the field management practices of guava under the following headings:
 - (i) Fertilizer application
 - (ii) Weed control. (10 marks)

- 5) (a) Justify the classification of banana/plantain as “pseudo tree crop” (5 marks)
- (b) Bananas are vegetatively propagated. List five (5) types of planting materials of bananas (5 marks)
- (c) List five (5) diseases of bananas (5 marks)
- 6) (a) Grape vines are basically grown in the temperate and sub-tropical regions. Evaluate this statement with reference to tropical Africa. (5 marks)
- (b) Discuss staking as a management practice in grape vine production (10 marks)