

**NATIONAL OPEN UNIVERSITY OF NIGERIA
SCHOOL OF AGRICULTURAL SCIENCES.
END OF COURSE EXAMINATION. JANUARY 2018
TREE CROPS AEM 713(Post graduate Diploma)**

- i) Answer at least one question from each section compulsorily.
- ii) Answer four questions in all.
- iii) Time allocated 2 ½ hours.

SECTION A

Question One

- (a) List any five tree crops using both common and science names (10 marks)
- (b) State at least five economic importance of establishing tree crops (5 marks)
- (c) List any five products that can be obtained from Cocoa. (5 marks)
- (d) Briefly describe the method of primary processing of *Cola nitida* or *Cola acuminata* (5 marks)

Question Two(Crop Establishment) Write briefly on the following.

- (a) Five general Climatic conditions. (5 marks)
- (b) Five general soil factors (5 marks)
- (c) General steps to take in choosing a site (5 marks)

Question Three

Write short explanatory notes on:

- (a) Artificial propagation (5 marks)
- (b) Mulching (5 marks)
- (c) Weeding Shading (5 marks)

Question four

- (a) Any five simple tools. (5 marks)
- (b) Describe the required methods of weeding on oil palm (5 marks)
- (c) Give reasons why processing is essential in oil palm (5 marks)

Question Five

- a)
 - (i) List any 2 diseases of oil palm (2 marks)
 - (ii) List their general causal agents (2 marks)
 - (iii) describe their general mode of transmission (6 marks)
- (b) List any 3 insect Pests of plantation (of oil palm) crops and any (3 marks)
- (c) List 2 groups of pesticides. (2 marks)

Question six

- (a) Describe any five methods of fertiliser application. (5 marks)
- (b) List any four types of fertiliser. (4 marks)
- (c) Give a short descriptive note on cultural methods of Pest control. (6 marks)