

# NATIONAL OPEN UNIVERSITY OF NIGERIA University Village, Nnamdi Azikiwe Expressway, Plot 91, Cadastral Zone, Jabi, Abuja

Faculty Agricultural Sciences
DEPARTMENT OF CROP AND SOIL SCIENCES
2020\_2 EXAMINATION ...

Course Title: Permanent Crop Production

Course Code: CRP313

**ANSWER ANY FOUR QUESTIONS IN 2:30 MINUTES** 

ANSWER QUESTION 1 (25 MARKS) AND ANY THREE (15 MARKS EACH)

**OUESTIONS** 

### \_Question One

- (a) Describe in details asexual method of propagation, differentiating it over the sexual method of propagation.
- (b) Discuss elaborately the advantage of importance of establishing tree crops
- (c) Outline all the by-products obtained from production of Cocoa.

### Question Two (Crop Establishment)

- (a) State Five general Climatic conditions for the establishment of Crop Production
- (b) Identify Five general climatic factors for crop establishment
- (c) Describe the method of weeding in Oil palm plantation.

### **Question Three**

Broadly explain the processes of Artificial propagation and Post-Nursery raising of Oil palm.

#### Question four

- (a) Identify any five simple tools for crop protection.
- (b) Explain the recommended practice of weed control of oil palm production.

(c) Highlight the importance of oil palm processing.

# **Question Five**

- (a)(i) List any 2 diseases of cocoa (ii)List their general causal agents (iii) Describe their general mode of transmission
- (b)List any five insect Pests of plantation crops and any (c) five groups of pesticides.

# Question six

- (a) Describe any three methods of fertiliser application.
- (b) List any two types of fertiliser.
- (c) Discuss the Cultural methods of Pest control.