



## **NATIONAL OPEN UNIVERSITY OF NIGERIA**

**University Village, Nnamdi Azikwe Express Way, Plot 91,  
Cadastral Zone,  
Jabi, Abuja**

**Faculty of Agricultural Sciences**

**FIRST SEMESTER EXAMINATION: June/July**

**COURSE CODE: CRP 313**

**COURSE TITLE: PERMANENT CROP PRODUCTION\_(2 Units)**

**ANSWER ANY FOUR QUESTIONS IN TWO HOURS**

### Question One

- a) Identify the underlisted crops with their common names.  
I) *Thebroma cacao*, *coffee liberica* or *coffee rubusta*, *cola nitida* or *cola acumunata*, *Hevea brasiliensis*, *Elias guinensis*
- b) State the general economic importance of the listed tree crops
- (c) Any five products from oil palm tree

### Question Two

Write a short explanatory note on each of the following

- a) Nursery practices ( b)Artificial propagation (c)Pre- Nursery

### Question Three

- a) Identify any 2 diseases of cocoa, and outline their causal agents and mode of transmission.
- b) List any five insect Pests of permanent crops (C) Five groups of pesticides.

### Question four

- a) Enumerate any five simple tools used in the production of permanent crops.
- (b) Define weeding with reference to permanent crops.(c) Reasons why processing is required in oil palm

### Question Five

- a) Outline any three methods of fertiliser application on permanent tree field
- (b) four types of fertiliser.
- b) List some Cultural methods of Pest control.
- c) List any three deficiency symptoms of Nitrogen

### Question Six

write a short note of each of the provided information in a-c below.

- a) Five Climatic Conditions.
- b) Five soil factors
- c) Steps to take in choosing a site