



NATIONAL OPEN UNIVERSITY OF NIGERIA

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

COURSE CODE: ACP 303

COURSE TITLE: PERMANENT CROP PRODUCTION_(2 Units)

ANSWER ANY FOUR QUESTIONS

Question One

- a) Identify the underlisted crops with their common names.
 - I) *Thebroma caocao*, *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