



**NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SCHOOL OF AGRICULTURAL SCIENCES
SEPTEMBER/OCTOBER 2015 EXAMINATION**

**COURSE CODE: ACP 303
COURSE TITLE: PERMANENT CROP PRODUCTION
TIME ALLOWED: 2HRS 30 MINUTES
INSTRUCTION: ANSWER ANY FOUR QUESTIONS**

Question One

- a) Provide the Common names for the listed tree crops
1) *Thebroma cacao, coffee liberica or coffee rubusta, cola nitida or cola acumunata, Hevea brasiliensis, Elias guinensis*
- b) Outline the general economic importance of the listed tree crops
- (c) Any five products from oil palm tree

Question Two

Write a short note

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

Question Three

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

Question four

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