



NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, Nnamdi Azikiwe Expressway, Plot 91, Cadastral Zone, Jabi, Abuja
FACULTY OF AGRICULTURAL SCIENCES
DEPARTMENT OF CROP AND SOIL SCIENCES
2020_2 EXAMINATION ...

COURSE: PERMANENT CROP PRODUCTION

COURSE CODE: ACP303

TOTAL SCORE: 70 MARKS

TIME ALLOWED: 2hours 30 minutes

INSTRUCTION: Answer FOUR Questions in all.

Question 1 is compulsory (25marks) and any three questions (15 marks each)

Question

1.

a) Provide the Common names for the listed tree crops

- i. *Thebroma caocao*,
- ii. *coffee liberica or coffee rubusta*,
- iii. *cola nitida or cola acumunata*,
- iv. *Hevea brasiliensis*,
- v. *Elias guinensis*

b) Outline the general economic importance of the listed tree crops

(c) List any five products from oil palm tree

d) Outline the general field conditions you will consider in setting up a tree/permanent field crop production.

2.

Write a short notes on the following:

- a) Nursery practices
- b) Artificial/asexual or vegetative propagation
- c) State the advantage of artificial of sexual propagation

3.

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

4.
 - a) List any five simple tools used in the production of permanent crops.
 - b) Define weeding with reference to permanent crops.
 - c) Give Reasons why processing is required in oil palm

5.
 - a) List any three methods of fertiliser application on permanent tree field.
 - b) List some Cultural methods of Pest control.
 - c) List any three deficiency symptoms of Nitrogen

6. Write a short notes on 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.