



**National Open University of Nigeria**  
**Plot 91, Cadastral Zone, Nnamdi Azikiwe Expressway, Jabi, Abuja**  
**Faculty of Agricultural Sciences**  
**October/November, 2016**

**Course Code: CRP313**  
**Course Title: Permanent Crop Production**  
**Credit Units: 2**  
**Time Allowed: 2:30 MINUTES**  
**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