

FEDERAL UNIVERSITY OF TECHNOLOGY, OWERRI
SCHOOL OF AGRICULTURE AND AGRICULTURAL TECHNOLOGY
DEPARTMENT OF CROP SCIENCE AND TECHNOLOGY
2018/2019 Rain Semester Examination

Course code: CST 304: Course Title: Elements of Crop Production

Time allowed: 2¹/₂hrs.

Instructions: Answer five Questions.

- 1(a). Describe the process of sterilizing oil palm fruits during mechanical processing and extraction of palm oil and the purpose of sterilizing them.
- (b) Discuss the factors that affect yield in oil palm
- 2(a) Discuss the uses of sweet potatoes.
- (b) Describe the factors that can affect the formation and growth of potato tubers in the soil.
3. Briefly describe the edaphoclimatic requirements of manihot esculenta stating clearly the following: (i) Temperature range (ii) Annual rainfall (iii) Drought adaptations (iv) Optimal soil conditions/types (v) pH levels
- 4(a) Briefly describe two (2) major pests of wheat (*Tritium aestivum* L) and their control measures.
- (b) Describe two (2) methods of sowing wheat.
- 5. Describe cocoyam under the following headings: (i) land preparation (ii) fertilization (iii) planting operations (iv) storage
6. Briefly state five (5) morphological and physiological properties of sorghum bicolor that make it drought resistant.
- 7(a) Rice is a hydrophilic crop. (i) Discuss the water management (ii) the planting pattern.
- (b) Write short notes on capping and weeding in yam .