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**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 202; Course Title: Tree and Vegetable Crops Production  
Time allowed: 3 hrs.

**Instructions: Answer Questions 1 (Section A) and any other four (4) questions in Section B.**

### **Section A**

- 1(a) List four (4) features of vegetable market gardening you know
- (b) Enumerate the three (3) major types of irrigation and briefly explain the term hardening during transplanting.
- (c) What is crown gall of cacao? And state /describe the causative agent of the disease.
- (d) Define the following terms: (i) seedling bed (ii) nursery bed (iii) seed bed (iv) transplanting.
- (e) Define soil ph and describe how soil acidity affect availability of soil nutrients to crops.

### **Section B**

- 2(a) In your own understanding, concisely define the word vegetable.
  - (b) State five (5) importance of vegetables to man.
  - (c) Discuss vegetable production under soil and climatic requirement.
- 3(a) Briefly give appropriate reasons why shading is practiced or necessary in nursery and mention two (2) nursery media you know.
  - (b) Mention four (4) garden farm tools and briefly describe the best method and time of harvesting tomato fruit.
  - (c) With appropriate examples of each, mention two (2) mulching materials and state three (3) methods of sowing with requisite examples.
- 4 State the pathogens that cause the following diseases in a conventional manner and the symptoms associated with each. (i) Black pod diseases (ii) Anthracnose (iii) Armilloria root rot. (iv) Fusarium pod rot (v) Swollen shoot diseases.
5. With relevant examples, briefly explain the following and state how they affect vegetable crop production (i) irrigation (ii) Temperature (iii) Light
6. Discuss the economic importance of trees under the following subheadings:  
(i) Medicine (ii) fuel wood (iii) income and employment.