



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS**  
**MARCH/APRIL 2016 EXAMINATION**  
**SCHOOL OF AGRICULTURAL SCIENCES**

**COURSE TITLE: BIOTECHNOLOGY IN CROP/PEST MANAGEMENT [3 CREDITS]**

**COURSE CODE: CSP401**

**INSTRUCTION: ANSWER ANY FIVE (5) QUESTIONS**

**TIME ALLOWED 3 HOURS.**

- Q. 1. What are the advantages of micropropagation?
- Q. 2. Discuss the role of Nitrogen in the biosphere
- Q. 3. Differentiate between the following terms:
- a. Nitrification
  - b. Denitrification
- Q. 4. Explain fungal pathogens and bacterial pathogens
- Q 5. What do you understand by the terms biofertilizer and biotechnology
- Q. 6. Discuss the following:
- a. Conventional biotechnology
  - b. Multiplication
- Q. 7. State the disadvantages of micropropagation