



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
**14/16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS**  
**SCHOOL OF EDUCATION**  
**MARCH/APRIL 2014 EXAMINATION**

**COURSE CODE: SED834**  
**COURSE TITLE: SCIENCE, TECHNOLOGY AND SOCIETY**  
**TIME ALLOWED: 2 HOURS: 15minutes**  
**INSTRUCTION: ANSWER THREE QUESTIONS IN ALL. QUESTION NO 1 IS COMPULSORY.**

**1a) Briefly discuss five programmes of Science, Technology and Society.**

**10 marks**

**b) Discuss six attributes of a scientifically literate person as adopted by NSTA.**

**10 marks**

**c) List and explain four educational objectives of Biotechnology**

**10 marks**

**2a) Explain five functions of the University in Biotechnology Education.**

**10**

**marks**

**b) Explain the following terms;**

- (i) Bioethics
- (ii) Blood transfusion
- (iii) Gene therapy
- (iv) Genetic Engineering

**(2.5marks**

**each x 4 )**

**3.a) Identify and discuss five strategies for teaching and learning science, technology and mathematics in Nigeria schools.**

**10 marks**

- b)i. Define Biotechnology**
- ii List four biotechnological process you know.**

**4. a) Define and state five advantages of electronic mail.**

**b) Explain five ways through which the teaching/learning of science can be improved with the use of information technology.**