



**NATIONAL OPEN UNIVERSITY OF NIGERIA**

91 Cadastral zone, Nnamdi Azikiwe Expressway, Jabi, Abuja

**FACULTY OF EDUCATION**

**2024\_2 EXAMINATION**

**COURSE CODE: SED 834**

**COURSE TITLE: SCIENCE, TECHNOLOGY AND SOCIETY (STS)**

**CREDIT UNIT: 3**

**TIME ALLOWED: 3 HOURS**

**INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER 3**

**Question 1:**

- a. List and explain the four goals of science education that justifies its inclusion in the school curriculum.
- b. Enumerate the importance of emphasizing a science, technology and society approach in the pre-college science curriculum.
- c. Discuss nine attributes of a scientifically literate person as adopted by The National Science Teachers' Association (NSTA).

**Question 2**

- a. Enumerate the three steps which form an integral part of the process of decision making as related to societal issues:
- b. As a science and technology teacher, highlight the approaches you will adopt in developing STS into your teaching of science.

**Question 3**

- a. Define Bioethics?
- b. Discuss the medical ethics in any three of the following abortion, blood transfusion, health care, heart transplanting.

**Question 4**

- a. What is electronic mail?
- b. Discuss five merits of E-mail in our society.

**Question 5:**

- a. Establish three reasons to support the argument on why environmental education should be included in primary education curriculum
- b. Crisis in nature is caused by the attitude of man to the environment; suggest four ways in which environmental education could help curtail the harsh attitude of the society towards the ecosystem.