



NATIONAL OPEN UNIVERSITY OF NIGERIA
Plot 91 Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi, Abuja
FACULTY OF EDUCATION

2023_1 POP EXAMINATION..

COURSE CODE: SED 834 (2 units)

COURSE TITLE: SCIENCE, TECHNOLOGY AND SOCIETY

CREDIT UNIT: 2

TIME: 2 HOURS

INSTRUCTION: ANSWER QUESTION **ONE** AND ANY OTHER **TWO** .

1a) Science Technology and Society (STS) programs are predicated on four goals for school science education. Discuss each of the goals. **10 marks**

b) Enumerate ten means by which Science Technology and Society (STS) can enhance learning for societal benefits. (10 marks)

1c) Explain four ecological impact of oil spillage in Nigeria
10 marks

2a) Transgenic has proved to be advantageous in science. Mention three of its advantages.

6 marks

b) Write short notes on the following concepts:

- i. Growth hormone. **10 marks**
- ii. Genetically engineered strain of pseudomonas. **4 marks**

3) Explain the technical application of the following terms in space: (i) exploration, (ii) Meteorology (iii) Communication and (iv) Geodesy. (20 marks)

4) Identify four areas of serious attention in health care and discuss means of attending to those areas in the context of Science Technology and Society. **20 Marks**