



NATIONAL OPEN UNIVERSITY OF NIGERIA
91 Cadastral zone, Nnamdi Azikiwe Expressway, Jabi, Abuja
FACULTY OF EDUCATION
2025_2 EXAMINATIONS

COURSE CODE: SED 834
COURSE TITLE: SCIENCE, TECHNOLOGY AND SOCIETY (STS)
CREDIT UNIT: 3
TIME ALLOWED: 3HOURS
INSTRUCTION: ANSWER QUESTION 1 AND ANY OTHER 3

Question 1

- a. The journey of scientific discovery follows a structured path which involves several processes:
- (i) Explain the term scientific processes; identify five scientific processes that facilitate a systematic study of nature
 - (ii) Enumerate five characteristics common among scientists?
- b. Explain your understanding of the term Technology and discuss four negative impacts of technology on society.

(25 marks)

Question 2

- a. (i) Identify four areas of Knowledge that constitute, science, technology and society approach as a unified subject in the curriculum
- (ii) List three methods by which Science, Technology and Society (STS) can be incorporated into a science curriculum.
- b. As someone studying to be a science and Technology educationist, propose two methods of teaching science using the science, Technology and Society approach.

(15marks)

Question 3

- a. Young individuals often perceive scientific discipline as key area for their growth within the broad spectrum of fields necessary for development; Outline five contributions of science to youth Development.
- (b) List five qualities of a responsible citizen?
- (c) Explain five ways a responsible citizen can exercise their rights in society?

(15 marks)

Question 4

- For the society to Create a world that balances present needs with the well-being of future generations sustainable development is key; (i) what is sustainable development?
- (ii) Analyze the impact of oil spillage in Nigeria, considering the economic transformation brought by the discovery of mineral oil in the country

(15 marks)

Question 5

- a. Provide three arguments supporting the inclusion of environmental education in the primary education curriculum.
- b. The environmental crisis is a direct result of human behavior towards nature; suggest four ways in which environmental education can mitigate the negative impact of human attitudes towards the ecosystem.

(15 marks)