



NATIONAL OPEN UNIVERSITY OF NIGERIA  
91 Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja  
Department of Science Education  
FACULTY OF EDUCATION...  
2021\_2

**COURSE CODE: SED413**

**CODE TITLE: SCIENCE, TECHNOLOGY AND SOCIETY**

**CREDIT UNIT: 2**

**TIME ALLOWED: 2 Hours**

**INSTRUCTION: Answer question ONE and any other TWO questions.  
Questions**

1(a) Discuss any three (3) reasons why scientific and technological literacy is important in Nigeria? **(9marks)**

1(b) Highlight any five (5) goals of Scientific and Technological Literacy as described by Yager (1992)? **(5marks)**

1(c) As part of the Science – Technology – Society (STS) movement, enumerate four (4) attributes that a scientifically and technologically literate person needs as suggested by the NSTA (1991). **(4marks)**

1(d) Describe any three (3) negative and three (3) positive impacts of society on science. **(12marks)**

2(a) Describe any five (5) qualitative changes in society **(15marks)**

2(b) Enumerate any five (5) factors threatening societal safety and security **(5marks)**

3(a) Briefly describe Health care science. **(2marks)**

3(b) Identify three types of health care **(3marks)**

3(c) Differentiate between Communicable and Non-communicable Diseases with three (3) examples each. **(15marks)**

4(a) Clearly illustrate the Water Pollution in Nigeria. **(9marks)**

4(b) Enumerate any five (5) organic and inorganic water pollutants **(5marks)**

4(c) Briefly state the negative effects of Water Pollutants. **(6marks)**