



**NATIONAL OPEN UNIVERSITY OF NIGERIA**  
Plot 91 Cadastral Zone, Nnamdi Azikiwe Express Way, Jabi, Abuja.  
**FACULTY OF EDUCATION**  
**2020\_1 Semester**

**Course Code:** SED413  
**Course Title:** SCIENCE, TECHNOLOGY AND SOCIETY  
**COURSE UNIT:** 2  
**TIME:** 2 HOURS  
**INSTRUCTION:** Answer question 1 and any other 2 questions

1a) A discipline that embodies the relationship of Science and technology and how the two shaped the society and vice- verse gives what Science – Technology Society (STS) is. In the light of the statement, briefly explain the historical development of STS as an interdisciplinary program. **(15Marks)**

(1b) The importance of science cannot be overemphasized. Science contributed to the development of the Nation. Give two (2) reasons why Science – Technology Society was developed? **(6marks)**

(1c) The scientists and stake holders are making researches into scientific innovations. List three (3) objectives of science teaching that are derived from the nature of science? **(9mks)**

(2a) Give other 5 (five) types that will be involved in scientific methods **(5marks)**

(2b) Science and technology have contributed immensely to the development of agriculture with the development of modern agro science and technology. Enumerate five (5) ways in which these was made possible. **(10marks)**

(2c) In Science – Technology Society (STS) as a course, objectives stands out. Briefly explain the objectives of this philosophy of technology. **(5marks)**

(3a). Scientific and technological progress changes are directly involved in innovation, support these with four points? **(8marks)**

(3b) List four appliances and use each to explain how science and technology has helped individuals in the Nation. **(Listing=4marks, explanation= 2marks each)**

**Total=12marks)**

(4a) Science is a Social Institution. Give two (2) examples to explain this? **(5marks)**

(4b) Due to the technological advancement, there are changes brought about in the society. List and explain five (5) ways in which scientific and technological progress has brought about these changes to the society. . **(Listing=5marks, explanation= 2marks each, Total=15marks)**