



NATIONAL OPEN UNIVERSITY OF NIGERIA
91Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
Department of Science Education
FACULTY OF EDUCATION
2021_1

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) Explain any six (6) aspects of the nature of science which deals with the attitude and behaviors of scientist **(12marks)**

1 (b) Illustrate any seven (7) aspects of the nature of science which deals with the attitude and behaviours of scientist **(7 marks)**

1(c) Explain the 3 – folds of objective of science teaching which are derived from the nature of science itself. **(6 marks)**

1(d) You are invited to a workshop on science and technology, How would you explain the topic assigned to you on Transfer Technology? **(5 marks)**

2(a) At a workshop organized in science education department as a science educator, describe the Historical Development of Science – Technology Society STS **(15 marks)**

2(b) Enumerate any five (5) scientific methods. **(5 marks)**

3(a) As a member of a society in your chosen profession, vividly describe the Social Institution to your fellow colleagues. **(5 marks)**

3(b) Enumerate Four (4) Examples of social institution. **(8 marks)**

3(c) State two (2) major aims of science education. **(2mark)**

3 (d) Enumerate four (4) attributes needed by scientifically and technologically literate person as part of the Science – Technology – Society (STS) movement, suggested by the NSTA (1991) **(5marks)**

4(a) State the three (3) major objectives of Environmental Education as published by Nigerian Education Research and Development Council (1998) for all categories of learner. **(6 marks)**

4(b) State any seven (7) principles of Environmental Education. **(14marks)**