



NATIONAL OPEN UNIVERSITY OF NIGERIA
91Cadastral Zone, Nnamdi Azikwe Expressway, Jabi, Abuja
Department of Science Education
FACULTY OF EDUCATION
2024_2 EXAMINATION

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

1. There are many types of resources that go into producing food and producing forages which have been characterized into two types as renewable resources can replenish itself at the rate it is used (solar energy, wind energy, hydropower energy, tidal energy, geothermal energy, biofuels) and nonrenewable resources have a limited supply (coal, petroleum, natural gas, nuclear sources).
 - (a). In a Tabular form, explain any five (5) differences between renewable and non-renewable resources **(10 marks)**
 - (b) Explain any key basic differences between Science and Technology Education **(10 marks)**
 - (c). Enumerate any five(5) relationship between Science, technology and Society **(5 marks)**
 - (d) Explain any five (5) environmental consequences of global warming **(5 marks)**
2.
 - (a) Briefly define the Meaning of “Environmental Education” **(5 marks)**
 - (b) Explain the two approaches to health science **(5 marks)**
 - (c) Discuss any five(5) principles of Environmental Education **(10 marks)**
3.
 - (a) Briefly mention any five (5) philosophies of Environmental Education **(5 marks)**
 - (b) List any five(5) objectives of Environmental Education **(5 marks)**
 - (c) Discuss any five(5) important benefits of environmental education **(10 marks)**
4.
 - (a) List and briefly explain any five(5) Components of Environmental Education **(10 marks)**
 - (b) Water Pollution is the discharge of waste generated by human activities directly or indirectly into water bodies such as lakes, rivers, oceans, aquifers and groundwater resulting in organic and inorganic water pollution.
Explain any five(5) each of the
 - (i) organic water pollution **(5 marks)**
 - (ii) Inorganic water pollution **(5 marks)**