



THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

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MAIN EXAMINATION

JANUARY – APRIL 2019 TRIMESTER

FACULTY OF ARTS AND SOCIAL SCIENCES

DEPARTMENT OF DEVELOPMENT STUDIES

REGULAR PROGRAMME

SDS 212: SCIENCE AND TECHNOLOGY

Date: APRIL 2019

Duration: 2 Hours

INSTRUCTIONS: Answer Question ONE and ANY OTHER TWO Questions

- Q1. a) Show how science requires public responsibility in order to maximize economic development. **(5 Marks)**
- b) Explain the position that all technologies require control. **(5 Marks)**
- c) While giving relevant examples, explain the concept of high technology. **(5 Marks)**
- d) Show how scientific knowledge is being used today to increase life expectancy **(5 Marks)**
- e) Present the result of a failure to address disability using science and technology. **(5 Marks)**
- f) Show how the world will benefit from space navigation. **(5 Marks)**
- Q2. a) Discuss the value of the technologies that have emerged in the Green revolution **(10 Marks)**
- b) Explain how scientific knowledge leads to new applications **(10 Marks)**
- Q3. a) Explain what a university can do to increase the interest of its community in science and technology. **(10 Marks)**

- b) Discuss the underlying principles in the formation of scientific knowledge (10

Marks)

Q4. a) Explain the factors that determine the choice of technology. (10 Marks)

b) Discuss the various ways of using scientific knowledge (10 Marks)

Q5. a) Discuss efficient ways of dealing with techno trash (10 Marks)

b) Elaborate on the negative applications of Science and technology in the modern world. (10 Marks)

END