



THE CATHOLIC UNIVERSITY OF EASTERN AFRICA

A. M. E. C. E. A

MAIN EXAMINATION

JANUARY – APRIL 2022

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FACULTY OF ARTS AND SOCIAL SCIENCES

DEPARTMENT OF SOCIAL SCIENCES & DEVELOPMENT STUDIES

REGULAR/ODEL PROGRAMME

MSO 516: SOCIOLOGY OF SCIENCE AND TECHNOLOGY

Date: APRIL 2022

Duration: 3 Hours

INSTRUCTIONS: Answer any FOUR Questions

- Q1. a) Elaborate on the terms science and technology (6 marks)
b) Using illustrations, discuss the relationship between science and technology. (14 marks)
- Q2. Using examples, critically review the philosophy of science and its various schools of thought. (20 marks)
- Q3. **Either**, give a critical evaluation of Luhmann's theory of science as a social system **OR** Bruno Latour's actor-network theory. (20 marks)
- Q4. Critically examine the role played by scientific communities in Africa's development process (20 marks)
- Q5. Evaluate Robert Merton's norms of science and their application in scientific pursuits. (20 marks)
- Q6. Using relevant examples, give a critical analysis of the key barriers to effective utilization of science and technology in Africa. (20 marks)

END