



**MASINDE MULIRO UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(MMUST)**

**UNIVERSITY EXAMINATIONS
2018/2019 ACADEMIC YEAR**

FOURTH YEAR SECOND SEMESTER EXAMINATIONS

**FOR THE DEGREE
OF
BACHELOR OF EDUCATION (ARTS and SCIENCE)**

COURSE CODE: ESM 412

DURATION: 2 HOURS

COURSE TITLE: SCIENCE, TECHNOLOGY AND SOCIETY

DATE: 03/06/2019

TIME: 12:00-2:00 PM

INSTRUCTIONS TO CANDIDATES

Question ONE (1) is compulsory

ANSWER QUESTION 1 (COMPULSORY- 25 MARKS) and ANY OTHER THREE questions.

MMUST observers ZERO tolerance to examination cheating

This paper consists of 3 printed pages. Please turn over.

Q1.

- a) Define the following terms:
 - i. Science (3 marks)
 - ii. Technology (3 marks)
- b) Explain any five advantages of using e-learning materials in teaching and learning science (5 marks)
- c) Briefly describe the steps a scientist uses in studying the natural world (4 marks)
- d) Briefly describe the influence of technology on civil governance in Kenya (5 marks)
- e) Differentiate between western view of science and the African traditional view (5 marks)

Q2.

Citing relevant examples, discuss the to which technology has been incorporated into education curriculum in Kenya (15 marks)

Q3.

Using examples, describe the influence of technology on the everyday life in the society (15 marks)

Q4.

Critically analyse the main ideas regarding the nature science and how they influence technological development (15 marks)

Q5.

Discuss any five drivers of technological change in Kenya (15 marks)