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*(Knowledge for Development)*

**KIBABII UNIVERSITY**  
**UNIVERSITY EXAMINATIONS**  
**2017/2018 ACADEMIC YEAR**

**FIRST YEAR FIRST SEMESTER**  
**MAIN EXAMINATIONS**

**FOR THE DEGREE OF BACHELOR OF SCIENCE**

**COURSE CODE:** CUC 121

**COURSE TITLE:** SCIENCE, TECHNOLOGY AND SOCIETY

**DATE:** Friday 10<sup>th</sup> August, 2018.

**TIME:** 2:00 – 4:00 p.m.

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**INSTRUCTIONS TO CANDIDATES**

Answer Question one (1) and any other two (2) Questions. Question one is compulsory and carries 30 marks, the other Questions carry 20 marks each.

TIME: 2 Hours

This paper consists of 2 printed pages. Please Turn Over



KIBU observes ZERO tolerance to examination cheating

### Question 1

- a). **Define** the following terms as used in science
- i). Telecommuters (3 MARKS)
  - ii). Biotechnology (3 MARKS)
  - iii). Hypothesis (3 MARKS)
  - iv). Pseudoscience (2 MARKS)
- b). **Explain** formal science in terms of Mathematic and logic (4 MARKS)
- c). **Explain the** scientific community in science (4 MARKS)
- c). **Explain** how science interacts with the cultural structures (6 MARKS)
- d). **State the** disadvantages of internet (5 MARKS)

### Question 2

**Discuss** genetic engineering as a technology in relation to social change  
(20 MARKS)

### Question 3

**Explain** the branches of science in relation to scale of the universe  
(20 MARKS)

### Question 4

**Discuss** the impact of technology to human life with special emphasis to biotechnology  
(20 MARKS)

### Question 5

**Discuss** the world changing discoveries in science that have an impact to our life today  
(20 MARKS)