



# **MACHAKOS UNIVERSITY**

**University Examinations for 2019/2020 Academic Year**

**SCHOOL OF HUMANITIES AND SOCIAL SCIENCES**

**DEPARTMENT OF SOCIAL SCIENCES**

**FOURTH YEAR FIRST SEMESTER EXAMINATION FOR**

**BACHELOR OF ARTS**

**ASC 423: SOCIOLOGY OF SCIENCE AND TECHNOLOGY**

**DATE: 28/11/2019**

**TIME: 8.30-10.30 AM**

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**INSTRUCTIONS: Answer QUESTION ONE and any other TWO QUESTIONS**

## **QUESTION ONE (30 MARKS)**

- a) Define the concepts: science, technology and the scientific method (10 marks)
- b) Explain the assumptions of the scientific process (20 marks)

## **QUESTION TWO (20 MARKS)**

- a) Differentiate between deduction and induction as methods of research and theory development (10 marks)
- b) Describe any four effects of technology on the environment (10 marks)

## **QUESTION THREE (20 MARKS)**

Discuss the various themes covered by science and technology

## **QUESTION FOUR (20 MARKS)**

Science and technology is good but not without adverse effects to society. Discuss

## **QUESTION FIVE (20 MARKS)**

Explore on the impact of technology in our society today