



MACHAKOS UNIVERSITY

University Examinations for 2022/2023 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

FIRST YEAR FIRST SEMESTER EXAMINATION FOR *BACHELOR OF EDUCATION* ARTS

AHT 419: HISTORY OF SCIENCE AND TECHNOLOGY

Date:

Time:

INSTRUCTIONS: Answer QUESTION ONE and any other TWO QUESTIONS.

QUESTION ONE (30 MARKS)

a) Define the following concepts:

- i. Science (2marks)
- ii. Technology (2marks)
- iii. Renaissance (2marks)
- iv. Scientific revolution (2marks)

b) Discuss the salient features of science (10marks)

c) Examine the causes of renaissance (10marks)

QUESTION TWO (20 MARKS)

a) Discuss the impacts of scientific revolutions under the following fields (12Marks)

- i. Agriculture
- ii. Industry
- iii. Medicine

b) Explain the relationship between science and technology (8marks)

QUESTION THREE (20 MARKS)

- a) Discuss the contribution of Isaac Newton in the field of science (10Marks)
- b) 'Technological advancements have improved man's standard of living'. To what extent do you agree with this view? (10Marks)

QUESTION FOUR (20 MARKS)

- a) Examine the scientific approaches during Medieval period (10marks)
- b) Analyze the social function of science in the society (10Marks)

QUESTION FIVE (20 MARKS)

- a) 'Britain is the pioneer in industrial development'. Validate this view with relevant examples. (10marks)
- b) Examine challenges facing scientific revolution in the third world countries (10Marks)