



MACHAKOS UNIVERSITY

University Examinations for 2022/2023 Academic Year

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES
FOURTH YEAR SUPPLEMENTARY/SPECIAL EXAMINATION FOR
BACHELOR OF EDUCATION ARTS

AHT 419: HISTORY OF SCIENCE AND TECHNOLOGY

DATE: 8/3/2023

TIME: 11.00 – 1.00 PM

INSTRUCTIONS: Answer QUESTION ONE and any other TWO QUESTIONS

QUESTION ONE (30 MARKS)

- a) Discuss the salient features of science (10 marks)
- b) Discuss the contribution of Isaac Newton in the field of science (10 marks)
- c) Examine the causes of renaissance (10 marks)

QUESTION TWO (20 MARKS)

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

QUESTION THREE (20 MARKS)

- a) Assess the contribution of science and technology in the growth of education (10 marks)
- b) 'Technological advancements have improved man's standard of living'. To what extent do you agree with this view? (10 marks)

QUESTION FOUR (20 MARKS)

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

QUESTION FIVE (20 MARKS)

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

- i. Transport
 - ii. Industry
 - iii. Medicine
- b) Explain the relationship between science and technology (8 marks)