



# MERU UNIVERSITY OF SCIENCE AND TECHNOLOGY

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## University Examinations 2024/2025

### FOURTH YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF EDUCATION ARTS

### EH1 3400: HISTORY OF SCIENCE AND TECHNOLOGY

DATE: JANUARY 2025

TIME: 2 HOURS

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INSTRUCTIONS: Answer question *one* and any other *two* questions

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#### QUESTION ONE (30 MARKS)

- a) State and explain characteristics of the scientific method (5 marks)
- b) Elucidate some properties of technology (5 marks)
- c) Explain the factors that led to the church reformations in Europe (10 marks)
- d) Account for *Galileo Galilei's* Scientific Achievements and His Conflict with the Church (10 marks)

#### QUESTION TWO (20 MARKS)

- a) Assess for Niccolo Machiavelli contribution to the political discourse in Europe during the Renaissance period (10 marks)
- b) The Enlightenment period in Europe was marked by serious political revolutions. Justify (10 marks)

#### QUESTION THREE (20 MARKS)

- a) Explicate the effect of industrial revolution in Europe (10 marks)

- b) Transport and communication took a paradigm shift in Europe during the industrial revolution. Justify this statement citing relevant examples (10 marks)

**QUESTION FOUR (20 MARKS)**

- a) Elucidate the factors that led Industrial Revolution to begin in Britain (10 marks)
- b) With use of relevant examples discuss the impact of science and technological development in society today (10 marks)

**QUESTION FIVE (20 MARKS)**

- a) Explicate the impact of scientific and technological inventions on agriculture today (10 marks)
- b) Discuss the key features of renaissance in Europe (10 marks)