



KENYATTA UNIVERSITY
CONTINUING EDUCATION PROGRAMME (CEP) 2022/2023
EXAMINATION FOR THE DEGREE OF BACHELOR OF ARTS
AHT 419: HISTORY OF SCIENCE AND TECHNOLOGY SINCE 1500 CE.

DECEMBER, 2022 SESSION

TIME: 2 HOURS

INSTRUCTIONS

Answer Question One and any other Two questions

1. a) What are the characteristics of the production of scientific knowledge? (8 marks)
 b) Discuss the relationship between science and technology? (7 marks)
 c) Give details of what Galileo Galilei saw of the universe when he first used his highly magnified telescope in the early 17th century. (8 marks)
 d) Identify the factors that made Britain to take the lead in the emergence of the industrial Revolution. (8 marks)
2. a) Discuss the main features of the ancient beliefs about the universe before the Scientific Revolution (5 marks)
 b) Summarize the ideas of Nicholaus Copernicus which helped overthrow the ancient worldview of the universe. (15 marks)
3. Discuss the contribution of Sir Isaac Newton to the Scientific Revolution, with special attention to the formulation of the law of gravity. (20 marks)
4. a) Highlight the features that characterized the origin and early spread of the Industrial Revolution (10 marks)
 b) Identify and discuss the new inventions that emerged in the textile industry in 18th Century Britain (10 marks)

5. In what ways did steam power and the steam engine enhance the expansion of the industrial Revolution? (20 marks)
6. a) What factors led to the rise of the Agrarian Revolution in Britain? (10 marks)
b) Discuss the social consequences of the Agrarian Revolution on the English people in the 18th and 19th centuries. (10 marks)
7. In spite of its many advantages to humanity, what do you consider as the dangers of technology? (20 marks)