

MACHAKOS UNIVERSITY

University Examinations for 2020/2021 Academic Year

FIRST YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR OF SCIENCE (TELECOMMUNICATION AND INFORMATION TECHNOLOGY)

BACHELOR OF SCIENCE (ELECTRICAL AND ELECTRONICS ENGINEERING)

BACHELOR OF SCIENCE (MATHEMATICS AND COMPUTER SCIENCE)

BACHELOR OF SCIENCE (APPLIED PHYSICS AND TECHNOLOGY)

BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)

BACHELOR OF SCIENCE (MECHANICAL ENGINEERING)

BACHELOR OF ARTS (COUNSELLING PSYCHOLOGY)

BACHELOR OF ARTS (GENDER & DEVELOPMENT)

BACHELOR OF ARTS (PUBLIC ADMINISTRATION)

BACHELOR OF SCIENCE (ACTUARIAL SCIENCE)

BACHELOR OF SCIENCE (APPLIED CHEMISTRY)

BACHELOR OF SCIENCE (COMPUTER SCIENCE)

BACHELOR OF SCIENCE (CIVIL ENGINEERING)

BACHELOR OF ECONOMICS AND STATISTICS

BACHELOR OF SCIENCE (FASHION DESIGN)

BACHELOR OF SCIENCE (PUBLIC HEALTH)

BACHELOR OF ECONOMICS AND FINANCE

BACHELOR OF SCIENCE (MATHEMATICS)

BACHELOR OF SCIENCE (BIOLOGY)

BACHELOR OF ECONOMICS

BACHELOR OF COMMERCE

BACHELOR OF ARTS

UCU 103: INTRODUCTION TO CRITICAL AND CREATIVE THINKING

DATE: TIME:

INTSRUCTIONS: Answer QUESTION ONE and any other TWO QUESTIONS

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Explain any four characteristic features of a critical thinker. (8 marks)
- b) Briefly distinguish between philosophy in general and technical sense and then show the relationship between two branches of the latter and critical thinking. (12 marks)
- Demonstrate four ways in which critical and creative thinking are of value in education.
 Explain your answer with relevant examples. (12 marks)

QUESTION TWO (20 MARKS)

- a) Identify any three intellectual virtues while demonstrating how each of them promotes societal transformation. (12 marks)
- b) Briefly explain any four standards upon which you would determine the worthiness or unworthiness of any given thought or philosophy. (8 marks)

QUESTION THREE (20 MARKS)

- Demonstrate briefly how each the following factors prevent people from thinking critically and creatively
 - i) Ego-centrism (3 marks)
 - ii) socio-centrism (3 marks)
 - iii) Propaganda (3 marks)
 - iv) Authoritarianism (3 marks)
- b) By the help of a well labeled diagram explain the standard form of argument. (8 marks)

QUESTION FOUR (20 MARKS)

- a) Distinguish between the following
 - i) The ordinary sense of argument and logical sense of argument. (4 marks)
 - ii) Deductive and inductive argument. (4 marks)
 - iii) Cogent and sound argument. (4 marks)
- b) Explain the meaning of 'argument analysis' while stating five indicator terms that will help you identify the two main components of argument. (8 marks)

QUESTION FIVE (20 MARKS)

- a) With reference to John Stuart Mill's essay 'on liberty' explain the role of individuality in both the personal and societal development. (14 marks)
- b) Outline the logic of rational and ethical decision making. (6 marks)