



MACHAKOS UNIVERSITY

University Examinations for 2020/2021 Academic Year

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FIRST YEAR FIRST TERM EXAMINATION FOR

CERTIFICATE IN

1601/101: ELECTRICAL ENGINEERING (POWER OPTION)

1501/101: MECHANICAL ENGINEERING

1704/101: BUILDING & CIVIL ENGINEERING

AUTOMOTIVE ENGINEERING

1802/101: FOOD & BEVERAGE

1801/101: GARMENT MAKING

1920/101: INFORMATION COMMUNICATION TECHNOLOGY

INTRODUCTION TO INFORMATION COMMUNICATION TECHNOLOGY

DATE: 11/6/2021

TIME: 11.30-2.30 PM

INSTRUCTIONS

Question One is compulsory. Choose only two questions from section B

SECTION A (COMPULSORY)

QUESTION ONE (30 MARKS)

- a) Using an illustration, explain how different computer components interact in order to produce meaningful output (10 marks)
- b) In respect to computer storage, explain two types of storage. (10 marks)
- c)
 - i What is the difference between data and information? (2 marks)
 - ii Describe four areas of computer applications. (8 marks)

SECTION B (CHOOSE ONLY TWO QUESTIONS)

QUESTION TWO (20 MARKS)

- a) Explain computers in terms of :
- i. Configuration
 - ii. Processor mode of operation
 - iii. Purpose and use
 - iv. Functionality
- (20 marks)

QUESTION THREE (20 MARKS)

- a) Discuss the importance of internet to a student of Machakos University. (10 marks)
- b) Distinguish clearly using an example, the difference between system software and application software. (10 marks)

QUESTION FOUR (20 MARKS)

- a) Explain what is CPU and its work. (10 marks)
- b) Giving examples, distinguish between output devices and input devices. (10 marks)

QUESTION FIVE (20 MARKS)

- a) Describe five safety precautions in a computer laboratory (10 marks)
- b) Discuss at least five components of a functional computer system (10 marks)