



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

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY

**2920/101: INTRODUCTION TO INFORMATION COMMUNICATION TECHNOLOGY &
ETHICS**

DATE: 11/6/2021

TIME: 8.30-11.30 AM

INSTRUCTIONS

This paper consists of two sections: A and B. answer all questions in section A. Choose Only Two questions from section B

SECTION A

QUESTION ONE (30 MARKS)

- a)
 - i Define the term information as used in ICT (2 marks)
 - ii Describe four categories of microcomputers (8 marks)
- b)
 - i Anita a computer technician would like to transfer a word document from her stand-alone computer to another computer. Outline two computer storage devices that she would use to achieve her objectives. (2 marks)
 - ii Distinguish between mechanical and electronic data processing methods. (8 marks)
- c)
 - i Outline two precautions taken to avoid eye strain when using a computer. (2 marks)
 - ii Differentiate between second and third generation computer generations. (8 marks)

SECTION B

QUESTION TWO (20 MARKS)

- a) Describe five risky assignments in which computers may be deployed in the place of humans. (10 marks)
- b)
 - i Differentiate between “SAVE” and “SAVE AS” as used in word processing. (2 marks)
 - ii Describe at least FOUR precautions in the computer laboratory. (8 marks)

QUESTION THREE (20 MARKS)

- a) Explain why computers have become indispensable to virtually all professions. (10 marks)
- b) Discuss advantages of computerized management information system as compared to manual. (10 marks)

QUESTION FOUR (20 MARKS)

- a) With the aid of an illustration, describe how the Control Unit performs its operations. (10 marks)
- b) Using an illustration, distinguish clearly the difference between system software and application software. (10 marks)

QUESTION FIVE (20 MARKS)

- a) Distinguish a computer from a normal electronic calculator. (10 marks)
- b) Explain FIVE uses of internet technology and why it is taking world by storm. (10 marks)