



MACHAKOS UNIVERSITY

University Examinations for 2020/2021 Academic Year

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FIRST YEAR SECOND SEMESTER EXAMINATION FOR

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY MODULE 1

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

DATE: 7/9/2021

TIME: 11:30 – 2:30 PM

INSTRUCTIONS

*Answer any **FIVE** of the following **EIGHT** questions in the answer booklet provided
ALL questions carry equal marks.*

1. (a) (i) Describe four attributes on effectiveness of data communication system in your organization. (4 marks)
- (ii) Explain three core principles of Information Security Control. (6 marks)
- (b) ICT policy should be appropriately enforced to ensure efficient utilization of ICT in an organization. Explain five enforcement measures that could be used. (10 marks)
2. (a) Using an illustration, discuss in detail five basic components for a working communication system. (10 marks)
- (b) Explain the importance of computer networking (10 marks)
3. (a) Explain the importance of data back-up in an organization. (10 marks)
- (b) Describe five reasons that could necessitate the use of computer networks in organizations. (10 marks)

4. (a) Jane was required to list functions of network operating system during an ICT exam. Outline five functions that he could have listed. (10 marks)
- (b) Discuss five reasons that make some employees to lose their jobs when their employer installs a computerized system. (10 marks)
5. (a) Describe five disadvantages of domestic conflicts to university students. (10 marks)
- (b) Explain five advantages of embracing of ICT ethics in organizations. (10 marks)
6. (a) Maurice was advised to procure copyrighted software for their company. Explain five benefits the company could realize from implementing the advice.(10 marks)
- (b) Describe five five opportunities that could be realized as a result of implementation of ICT hub in Kenya. (10 marks)
7. (a) Discuss how computer viruses are spread and the impact they have in the computer industry today. (10 marks)
- (b) Describe five symptoms of a computer virus. (10 marks)
8. (a) Describe the successive computer generations outlining the features in each generations. (10 marks)
- (b) ABC Company Ltd. Intends to secure its data. Explain five measures the company could implement. (10 marks)