2920/101
INTRODUCTION TO INFORMATION COMMUNICATION
TECHNOLOGY AND ETHICS
March/April 2023

Time: 3 hours



THE KENYA NATIONAL EXAMINATIONS COUNCIL

DIPLOMA IN INFORMATION COMMUNICATION TECHNOLOGY

MODULE I

INTRODUCTION TO INFORMATION COMMUNICATION TECHNOLOGY AND ETHICS

3 hours

INSTRUCTIONS TO CANDIDATES

This paper consists of **EIGHT** questions.

Answer any **FIVE** questions in the answer booklet provided.

Candidates should answer the questions in English.



This paper consists of 3 printed pages.

Candidates should check the question paper to ascertain that all the pages are printed as indicated and that no questions are missing.

(b) Expla	the four advantages of outsourcing acquisition method. In two characteristics of the third-generation computers. Inputer laboratory has been secured using facial recognition. Explain thretions of this system. With the aid of a diagram, describe peer to peer computer network. Outline two characteristics of the network in d (i). The four benefits of self-awareness to a college student.	(6 marks) (4 marks) (2 marks)
(c) A con limita (d) ✓ (i)	nputer laboratory has been secured using facial recognition. Explain threations of this system. With the aid of a diagram, describe peer to peer computer network. Outline two characteristics of the network in d (i).	(6 marks) (4 marks) (2 marks)
(c) A con limita (d) ✓ (i)	With the aid of a diagram, describe peer to peer computer network. Outline two characteristics of the network in d (i).	(6 marks) (4 marks) (2 marks)
(d) 🗸 (i)	Outline two characteristics of the network in d (i).	(2 marks)
(ii)		file (i)
	ne four benefits of self-awareness to a college student.	902 021 020
2. / (a), Outlin		(4 marks)
	n, a Module II student, prefers using an impact printer. Explain three re have led to this preference.	asons that (6 marks)
(c) Distir	guish between intra-group and inter-group conflict.	(4 marks)
V	in three circumstances that could make an organisation fail in its corporasibility.	rate social (6 marks)
3. (a) / Expla	in two benefits of copyright.	(4 marks)
(b) An or legisl	ganisation intends to develop its ICT legislation. Explain three sources ation.	of these (6 marks)
(c) ✓ Diffe	rentiate between data bus and address bus as used in computers.	(4 marks)
(d) Hezte	ech Technical institute has launched a virtual learning programme for its	students.
(i)	Explain two challenges of this programme to the students.	(4 marks)
(ii)	Outline two opportunities that this programme could create.	(2 marks)
4. (a) Outli	ne four advantages of a light pen as an input device.	(4 marks)
(b) Dan	suffers from low self-esteem. Explain three symptoms that he could be	exhibiting. (6 marks)
(c) Disti	nguish between twisted pair and fibre optic cables as used in networking	g. (4 marks)
(d) Mark this t	uses pirated software in his laptop. Explain three reasons that could hause.	ve led to (6 marks)
5. (a) (i)	Define repetitive strain injury as used in ergonomics.	(2 marks)
√ (ii)	Outline two symptoms exhibited by a computer user suffering from restrain injury.	epetitive (2 marks)
O(b) Expl	ain three benefits of time management to a student.	(6 marks)
4 (Diffe	rentiate between ink jet and laser printers.	(4 marks)
	loyees at Geztech Company have work related conflicts among themselvain three possible causes of these conflicts.	ves. (6 marks)

(4 marks)

(6 marks)

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An organisation uses an in-house software. Explain three disadvantages of this

Classify each of these keys as either navigation or special.



(d)

software.

