UNIVERSITY OF ESWATINI

Faculty of Science and Engineering Department of Computer Science

MAIN EXAMINATION

DECEMBER 2019

Title of Paper: INTRODUCTION TO INFORMATION TECHNOLOGY

Course Code: CSC 113

Time Allowed: 3 Hours

Total Marks: 100

Instructions to Candidates:

This Question Paper Consists of SIX (6) Questions. Section A is compulsory.

Answer ALL Questions in SECTION A and any TWO (2) Questions from SECTION B.

Marks are indicated in Square Brackets.

NB: You Are Not Allowed To Open This Examination Paper Until Permission Has Been Granted By The Invigilator

CECTION A

	SECTION A	<u> </u>
Q	uestion One	[30]
1.	Define the following terms: a. Drive [1] b. Virtual memory [1] c. Ubiquitous computing [1]	
2.	Match the following technologies to the correct ages: [4]	
	Technology	Age
	Pascaline	Electro-Mechanical
	Electronic Numerical Integrator and Computer	The Mechanical
	Harvard Mark 1	Pre-Mechanical
	Abacus	Electronic
3.4.5.	Briefly describe the difference between a convertible and a 2-in-1 notebook. [2]	
6.	Explain what is meant by the following terms: a. Read Only Memory (ROM). [2] b. Multi-Boot/ Dual Boot [3] 	*
7.	List the basic methods for troubleshooting common	system unit problems. [3]
8.	State the four (4) main functions of an operating sys	tem. [4]
9.	Briefly explain the difference between lossy and los	sless compression algorithms. [2]
Qu	iestion Two	[15]
1.	Define the following Terms: a. Suite [1]	

b. Open source software [1]

c. Augmented reality [1]

- 2. Briefly describe the difference between a word processor and a desktop publishing application. [2]
- 3. Give a brief description of the information you need to know in order to properly manage the applications on your computer. [5]

a. spreadsheet [1]b. Computer-Aided design software [1]			
5. Briefly describe the three (3) main basic elements of digital cameras. [3]			
Question Three [25]			
1. Briefly describe the difference between push technology and pull technology. [2]			
 Define the following terms: a. Hypertext [1] b. Hyperlink [1] c. Add-on [1] d. Store-and-forward [1] 			
3. Briefly describe how the Internet Mail Access Protocol (IMAP) works. [3]			
 4. State two (2) examples of a. Asynchronous Online Communication [2] b. Synchronous Online Communication [2] 			
5. Briefly describe any two (2) examples of user-generated contents. [4]			
6. Briefly describe the impact of social media on the society. [3]			
7. State two (2) ways used to navigate to a website. [1]			
8. State and briefly describe factors that affect the actual performance speed of the Internet. [4]			
SECTION B Overtical Four			
Question Four [15]			
1. What is the difference between a public telephone network and a data network? [2]			
2. Briefly describe the following networks:a. Private Digital Network [3]b. Wide Area Network [3]			
3. Briefly describe the difference between a gateway and a bridge. [2]			
. State and briefly describe the three (3) components that make up a URL [3]			

4. State any two (2) types for tasks you would accomplish using:

defines objects and the actions that can be performed on them

English-like statements focusing on logic, not syntax

study of how to make computers behave like humans

shows the flow of data in a system

d. OOP e. AI

i.

ii.

iii.

iv. v.