UNIVERSITY OF ESWATINI

Faculty of Science and Engineering

Department of Computer Science

MAIN EXAMINATION

AUGUST 2021

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 FIVE (5) Questions. Answer ALL Questions.

Marks are indicated in Square Brackets.

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

	2. Describe the following protocols:	
	a. TCP/IP ·	[2]
	b. DNS	[2]
	3. What is meant by gateway in networking?	[2]
1	4. What is a MAC address and what is its purpose in networking?	[2]
-	5. Describe the following networks:	
	a. Satellite Data Networkb. Public Telephone Networks	[3] [3]
í	5. How can the information found on the Internet be evaluated?	
_		[3]
Ź	7. What is the relationship between the Internet and the World Wide Web?	[2]
8	3. Describe the email delivery process.	[4]
Q	UESTION FOUR	[15]
1	. How does the proxy server work?	[1]
2	. Briefly describe the following cybercrimes:	
	a. password crackingb. spoofing	[2]
_	. •	[2]
3	. Briefly describe how the following malware work. a. Worm	[0]
	b. Trojan horse	[2] [2]
4	 State and explain any two major computing legal issues that can be encounted university. 	·
,	·	[4]
5.	. What is the difference between proprietary software and open source software	re? [2]
Q	UESTION FIVE	[20]
1.	Define the following terms:	
	a. Database Management System	[1]
	b. Object Oriented Programmingc. Deep learning	[1]
2.	The second secon	[1] [5]
3.	Describe the implementation phase of the program development cycle.	[6]
4.	Write an algorithm and draw a flowchart to determine whether an integer is a	
	number or an odd number.	[6]