



ZIMBABWE EZEKIEL GUTI UNIVERSITY

FACULTY OF SCIENCE, TECHNOLOGY, AGRICULTURE AND FOOD
SYSTEMS DEVELOPMENT

DEPARTMENT OF INFORMATION SYSTEMS

EXAMINATION PAPER

COURSE CODE : UWC 100
COURSE TITLE : Introduction to Computers and Computer Applications
DURATION : 3 Hours
LEVEL : 1.1
DATE : 2024

31 JUL 2024

INSTRUCTIONS TO CANDIDATES:

1. This paper consists of 3 sections
2. Answer **ALL** Questions in SECTION A and SECTION B plus **ANY ONE** Question from SECTION C in booklet provided.
3. Start each Question on a new page

There are 4 printed pages for this question paper

SECTION A

(Answer all questions from this section. The section carries **40 marks**)

Question 1

Clearly define the following terms as used in ICT

- a) Computer
- b) Hardware
- c) Software
- d) Network
- e) Database

[5 x 2 marks]

Question 2

With the aid of relevant examples (**two examples for each**), describe the following:

- a) Input devices
- b) Output devices
- c) Storage devices

[3 marks]

[3 marks]

[4 marks]

Question 3

- a) List any FIVE networking devices
- b) What does the following networking abbreviations stand for?
 - i) LAN
 - ii) MAN
 - iii) WAN
 - iv) PAN
 - v) IP

[5 marks]

[5 x 1 mark]

Question 4

- a) What is a computer virus?
- b) List any FIVE symptoms and signs that a computer could have been infected by a virus.

[2 marks]

[5

marks]

c) Discuss any THREE ways of safeguarding networked computers against viruses

[3 marks]

SECTION B [40 marks]

(Answer all questions from this section. The section carries 40 marks)

Question 5

All members of staff that use a school's network have their own login names and passwords. A new member of staff was given the following advice. "Write your login name and password on a post-it note and stick it on the rim of your monitor so that you don't forget it".

- a) State why this is not good advice. [2 marks]
- b) Give FOUR brief, but more appropriate pieces of advice about choosing a password and login name, and keeping them confidential.

[8 marks]

Question 6

An IT lecturer uses a spreadsheet to record the examination scores of his students. The spreadsheet below shows the exam scores of some of those pupils.

	A	B	C	D	E	F
1		Exam 1	Exam 2	Exam 3	total	Minimum
2	Milton	60	56	70	186	
3	John	55	90	23	168	
4	Lloyd	56	77	45	178	
5	Violet	87	78	29	194	
6	Doreen	45	67	66	178	
7	Peter	97	79	55	231	
8						
9	Highest Mark	97	90	70	231	
10	Average					
11	No of Students Passed					
12	No of Students Passed					

- a) Write down the formula in cell E10 to calculate the average of total marks [2 marks]
- b) Give the formula which should go in cell F2. [2 marks]
- c) How many columns are shown in the spreadsheet? [2 marks]
- d) Given that the minimum value in cell F2 is 56. Write down the formula of how the value was found. [2 marks]
- e) If the mark in cell D2 changes to 50, name any other two (2) cells which will also change due to that effect. [4 marks]
- f) Write formula to display no of students who passed exam 1 in B11 [4 marks].
- g) Write formula to display no of students who failed exam 1 in c11 [4 marks].

Question 7

As more and more companies adopt the use of computers in their operations, most communications are now being done using email. Email communication has a lot of advantages to offer compared to its surface mail counterpart, also known as "snail mail".

- a) Explain what the letters in the email term CC stand for. [2 marks]
- b) Explain what BCC stand for and why it is used. [4 marks]
- c) State one program you can use to access your emails. [2 marks]
- d) Forward is a very useful email command. Give an example of when this command can be used in a business environment. [2 marks]

SECTION C

(Choose ONE question from this section. The section carries 20 marks)

Question 8

Computers that are going to be connected together can be connected in different ways. The way that the computers on a network are connected together is known as the *topology* of the network. With the aid of well labelled diagrams, describe any FIVE

network topologies you know.

[20 marks]

Question 9

- a) Distinguish between Client/Server and peer to peer (P2P) architecture **[8 marks]**
- b) Explain in detail the Client/Server Architecture. Why is it a preferred architecture?

[12 marks]

** * * Wishing you all the best * * **