



## ZIMBABWE EZEKIEL GUTI UNIVERSITY

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### FACULTY OF SCIENCE, TECHNOLOGY, AGRICULTURE AND FOOD SYSTEMS DEVELOPMENT

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#### DEPARTMENT OF INFORMSATION SYSTEMS & DIGITAL TECHNOLOGY

#### EXAMINATION PAPER

COURSE CODE : UWC 100  
COURSE TITLE : Introduction to Computers and Computer Applications  
SPECIAL REQUIREMENTS : None  
DURATION : 3 Hours  
LEVEL : 1.1  
DATE : October/November 2023 **10 OCT 2023**

#### 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

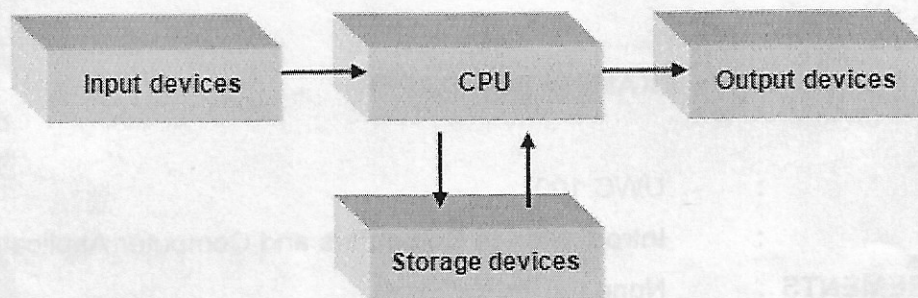
**There are 5 printed pages for this question paper**

## SECTION A

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

### Question 1

All computers have the same four basic building blocks. These are the input devices, output devices, storage devices and the brain of the computer, the Central Processing Unit (CPU).



A diagrammatic representation of the four parts of a computer.

With the aid of relevant examples, explain the function of following terms:

- a) Input devices [3 marks]
- b) Output devices [3 marks]
- c) Storage devices [4 marks]

### Question 2

- a) What does the following computing abbreviations stand for?
  - i) www
  - ii) WAN
  - iii) LAN
  - iv) DVD
  - v) TFT

[5 x 2 mark]

### Question 3

- a) What is a web browser? [2 marks]
- b) Give any TWO examples of commonly used web browsers [2 marks]

	A	B	C	D	E	F
1	COSTS (in £s)		JANUARY	FEBRUARY	MARCH	APRIL
2	Diesel		100.00	120.00	125.00	115.00
3	Repairs		50.00	30.00	40.00	35.00
4	Insurance		10.00	15.00	20.00	15.00
5	Other Costs		15.00	17.00	17.50	17.00
6	TOTAL COSTS		175.00	182.00	202.50	182.00
7						
8	PASSENGER FARES		420.00	500.20	525.45	480.80
9						
10	PROFIT		245.00	318.20	322.95	298.80

Cells C6 and C10 each contain a formula.

- i) Suggest a suitable formula for cell C6. **[2 marks]**
- ii) Suggest a suitable formula for cell C10. **[2 marks]**
- iii) If cell E3 changes, name two other cells which will also change. **[2 marks]**
- iv) The formula in C6 has been replicated across to the other cells in row 6. What does *replicate* mean? **[2 marks]**
- v) Suggest suitable formatting for the following cells:
  - a. D1 **[2 marks]**
  - b. D5 **[2 marks]**
- vi) What can be done to the cells A8 and B8 containing the label "PASSENGER FARES" so that the label appears as if it were in one cell only? **[3 marks]**
- vii) Excel allows the user to combine addition, subtraction, multiplication and division in a single formula. Describe the rules of arithmetic that Excel follows in calculating such formulas. When would you use parenthesis in an Excel formula? **[5 marks]**

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## SECTION C

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

### Question 7

- c) List three advantages and three disadvantages of using emails by university students? **[6 marks]**

**Question 4**

- a) What is a computer malware? **[2 marks]**
- b) List any FIVE symptoms and signs that a computer could have been infected by a virus. **[5 marks]**
- c) Discuss any THREE ways of safeguarding networked computers against viruses **[3 marks]**
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**SECTION B**

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

**Question 5**

- A. The following are the major categories of computer software. Explain each giving two examples of each.
- i. Application Software
  - ii. System Software
  - iii. Utilities software **[12 marks]**
- B. Explain five attributes of a publication software. **[8 marks]**

**Question 6**

Below is a part of the spreadsheet which the business owner uses to keep a record of his expenses and income for motor sale business in Harare City

The education sector in Zimbabwe has benefited immensely from use of internet. Briefly discuss the value of internet to university students.

**[20 marks]**

**Question 8**

- |  |                   |
|--|-------------------|
| a) What is word processor                                | <b>[3 marks]</b>  |
| b) Explain any FIVE attributes of a word processor       | <b>[5 marks]</b>  |
| c) Discuss a presentation software giving three examples | <b>[12 marks]</b> |

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**\*\* \* END \*\***

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