



ZIMBABWE EZEKIEL GUTI UNIVERSITY

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FACULTY OF HEALTH, SCIENCE AND TECHNOLOGY

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DEPARTMENT OF INFORMATION SYSTEMS

EXAMINATION PAPER

**COURSE CODE** : UWC100  
**COURSE TITLE** : Introduction to Computers and Computer Application  
**DURATION** : 3 Hours  
**LEVEL** : 1.1  
**DATE** : August 2021

INSTRUCTIONS TO CANDIDATES

1. The paper consists of **EIGHT** questions
2. Answer **ALL** questions in **SECTION A** and **THREE** questions of your choice in **SECTION A** on separate answer booklet provided.
3. Begin each question on a new page.
4. The number of marks for each question or part question is shown in brackets [ ]

**SECTION A: Answer all questions.**

**Question 1**

With the aid of examples, distinguish between computer software and computer hardware.

[Total Marks 10]

**Question 2**

Outline any four (4) benefits of using e-mail.

[Total Marks 10]

**Question 3**

With examples, compare data and Information.

[Total Marks 10]

**Question 4**

With the aid of diagrams, examine any two (2) network topologies

[Total Marks 10]

**SECTION B: Answer any THREE (3) questions of your choice**

**Question 5**

- a. List four networking devices. [4 marks]
- b. State three wired transmission media. [3 marks]
- c. Explain the following network topologies with an aid of a diagram.
  - i. Bus topology
  - ii. Star topology
  - iii. Ring topology [9 marks]
- d. What are the differences between LAN and WAN? [4 marks]

**Question 6**

- e. List four networking devices. [4 marks]
- f. State three wired transmission media. [3 marks]
- g. Explain the following network topologies with an aid of a diagram.
  - iv. Bus topology
  - v. Star topology
  - vi. Ring topology [9 marks]
- h. What are the differences between LAN and WAN? [4 marks]

**Question 7**

Covid-19 has changed the teaching and learning process, universities across the globe have adopted e-learning. Describe e-learning and the Information and Communication Technologies that have been adopted in the absence of face-to-face teaching and learning. In your answer include the advantages and disadvantages of e-learning. **[Total Marks 20]**

**Question 8**

Mr Matamba has been employed by the Ministry of Primary Education, Sports and Culture since October 1984 as a teacher. He has been partially exposed to computer technology. Advise Mr Matamba on the importance of the internet and how the internet can help him in teaching and learning. **[Total Marks 20]**