



ZIMBABWE EZEKIEL GUTI UNIVERSITY

FACULTY OF HEALTH, SCIENCE AND TECHNOLOGY

DEPARTMENT OF INFORMATION SYSTEMS

EXAMINATION PAPER

COURSE CODE : UWC 100

COURSE TITLE : Introduction to Computers and Computer Applications

SPECIAL REQUIREMENTS : None

DURATION : 3 Hours

LEVEL : 1.1

DATE : 2022 **03 OCT 2022**

INSTRUCTIONS TO CANDIDATES:

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

SECTION A

Question 1

Susan got employed in Non-Governmental Organization and is privileged to work with computers. During an induction seminar her Manager said, “**Sometimes working with computers can impact on our health**”. She approached for an explanation. Describe the health impacts of using computers, suggesting preventative measures for eliminating or reducing them.

[10 marks]

Question 2

Since their invention computers have greatly improved human life. Explain any **five** uses or functions of computers in the Agricultural field. [10 marks]

Question 3

Most commercial banks in Zimbabwe are increasingly offering Internet online banking services to their customers.

- i. List **three** advantages to the customer of using online banking.
- ii. List **three** advantages to the bank of providing online banking. [6 marks]
- d. Online banking has an impact on society as a whole.
 - i. Give **one** positive effect
 - ii. Give **three** negative effects. [4 marks]

SECTION B

Question 4

Your school wants to buy new computers for their computer laboratory. The computers are to be used for Computer Studies coursework projects, researching on the Internet and to run science and mathematics computer aided learning software on CD-ROM/DVD-ROM disks. You as a computer science teacher, list any **five** hardware and **five** software components you will advise

the school head to be on the computers to be bought in line with the desired use of the computers? In each case state a reason for its inclusion. [15 marks]

Question 5

Explain any five advantages of the database approach over traditional file approach.

[10 marks]

Question 6

Computer peripherals are classified as input and output devices, give four examples under each category. [8 marks]

SECTION C

Question 7

You have been requested to recommend a topology to be used within computer science laboratory, to connect 40 computers on a network. Which topology would you recommend and why? [10 marks]

Question 8

a) Define the term *internet* and distinguish it from *intranet* and *extranet*. [5 marks]

b) What does the following computer abbreviations stand for?

- i) www
- ii) WAN
- iii) LAN
- iv) DVD
- v) CD

[5 x 1 mark]

Question 9

a) What is a web browser?

[1 marks]

- b) Give any TWO examples of commonly used web browsers [2 marks]
- c) Define the term email [1 marks]
- d) List TWO advantages and TWO disadvantages of using emails? [4 marks]

Question 10

- a) What is a computer virus? [1 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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