



ZIMBABWE EZEKIEL GUTI UNIVERSITY

FACULTY OF HEALTH, SCIENCE AND TECHNOLOGY

DEPARTMENT OF DIGITAL TECHNOLOGY

EXAMINATION PAPER

COURSE CODE	:	CDT 210	
COURSE TITLE	:	Workshop Practice	
SPECIAL REQUIREMENTS	:	None	
DURATION	:	3 Hours	
LEVEL	:	2.2	
DATE	:	January 2022	11.1. FEB 2022

INSTRUCTIONS TO CANDIDATES:

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

There are 3 printed pages for this question paper

SECTION A

Answer all questions from this section

Question 1

Briefly explain the differences between the following forms of computer memory:

- a) RAM and ROM
- b) Static RAM and dynamic RAM
- c) Primary memory and secondary memory
- d) EPROM and EEPROM
- e) Cache memory and registers

[5 x 2 marks]

Question 2

- a) List any FIVE benefits of preventative maintenance
- b) Describe the hard disk drive installation procedure

[5 marks]

[5 marks]

Question 3

Explain compatibility issues in computer hardware clearly outlining how these can be solved.

[10 marks]

Question 4

Explain the hardware booting process

[10 marks]

SECTION B

Answer ANY THREE questions from this section

Question 5

List and explain any FIVE factors to consider when choosing to buy each of the following:

- a) Office computer
- b) Personal laptop
- c) Computer hardware
- d) Computer software

[4 x 5 marks]

Question 6

- a) Define a computer virus and explain at least THREE infected areas of a computer
[5 marks]
- b) Using a proper procedure, explain how you would disinfect an infected computer
[5 marks]
- c) Explain why backdating your operating system can produce a cure for an infected computer
[5 marks]
- d) List and explain the use of standalone virus removal tools
[5 marks]

Question 7

- a) With the aid of examples, distinguish between application software and system software
[4 marks]
- b) Define and clearly explain the purpose of device drivers
[4 marks]
- c) Identify and briefly explain the six stages of the troubleshooting process [12 marks]

Question 8

- a) State any FOUR reasons why it is important to continuously maintain a perfectly running computer system
[4 marks]
- b) Identify and clearly explain the FOUR types of system maintenance. [16 marks]

*** Wish you all the best ***