

BINDURA UNIVERSITY OF SCIENCE EDUCATION  
FACULTY OF SCIENCE AND ENGINEERING  
DEPARTMENT COMPUTER SCIENCE  
CS101: INTRODUCTION TO COMPUTER SCIENCE

24 MAR 2023

DURATION: 2 HOURS

TOTAL MARKS: 100

INSTRUCTIONS TO CANDIDATES

Answer all questions.

Section A carries 40 marks, Section B 40 marks and Section C 20 marks

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SECTION A [40 marks]

1. \_\_\_\_\_ and \_\_\_\_\_ are examples of both an input and output device. [2]
2. Secondary storage devices are being sold at every corner of the street in Harare.  
And \_\_\_\_\_ is an example of these devices. [1]
3. WWW is an abbreviation of \_\_\_\_\_. [1]
4. Software applications are being developed on a daily basis. State any three examples. [3]
5. Which binary number exists just before  $1001110_2$  in a number line? [1]
6. When my computer has been affected by a virus, I use an \_\_\_\_\_ software to remove the infection. [1]
7. GUI stands for \_\_\_\_\_. [1]
8. Convert  $100100001_2$  to decimal. [1]
9. \_\_\_\_\_ and \_\_\_\_\_ are examples of web browsers. [2]
10. A dark border on a cell in Excel indicates the \_\_\_\_\_ cell. [1]
11. Internet has made it possible for us to access lots of services online. \_\_\_\_\_ is an example of such a service. [1]

12. Which keyboard key delete the character to the right of the insertion point? [1]
13. The cell reference for a range of cells that starts in cell D4 and goes over to column H and down to row 56 is \_\_\_\_\_. [1]
14. State any two examples of devices that serve only as an input device. [2]
15. There are a number of operating systems today in the market for mobile and personal computers. State any three that you know. [3]
16. RAM is an abbreviation of \_\_\_\_\_. [1]
17. "Ctrl + P", is a shortcut for \_\_\_\_\_. [1]
18. State any two examples of devices that serve only as an output device. [2]
19. A central processing unit (CPU) consists of two main parts which are \_\_\_\_\_ and \_\_\_\_\_. [2]
20. Computers can be classified in terms of their sizes. State the four classes. [4]
21. "Ctrl + S", is a shortcut for \_\_\_\_\_. [1]
22. CPU is an abbreviation of \_\_\_\_\_. [1]
23. Times new Roman, Cambria, Arial are the example of font face or font type. (True/False) [1]
24. The slide that is used to introduce a topic and set the tone for the presentation is called the \_\_\_\_\_. [1]
25. A number of a letter that appears little below the normal text is called a subscript (True/False) [1]
26. The process of removing unwanted part of an image in MS Word is called \_\_\_\_\_. [1]
27. \_\_\_\_\_ and \_\_\_\_\_ are used for creating ordered/unordered list in a document. [2]

## SECTION B [40 marks]

### Question 1

- a. Explain any five functions of operating system [10]
- b. Describe how you would classify computers by purpose. [4]
- c. Zimbabwean Education sector has made some great steps towards digital learning due to COVID -19. State any three challenges faced by students and suggest solutions. [6]

### Question 2

- a. Internet has made it possible for us to access lots of services online. State and explain any three services offered by internet to its users [6]
- b. What is cyber-attack and give one example. [4]
- c. A number of organizations are now using internet in offering their services and they have been exposed to cyber threats. Explain any three cyber threats to the organization and also how best can an organization prevent itself from cyber threats [6]
- d. Give three symptoms of viruses in computers. [2]
- e. State any two ways that are used to prevent computer virus. [2]



**SECTION C [20 marks]**

**Question 1**

- a. Use table 1.1 for this question.

	A	B	C	D
1	Names	CS 101	CS020	CS103
2	Blessing	34	81	40
3	Gracious	56	53	72
4	Mickelly	71	70	80
5	Marshall	45	66	55
6				

*Table 1.1: marks*

- i. In cell B6 calculate the average mark for marks obtained in CS101 (*using Excel formula*). [4]
  - ii. In cell C6 calculate the total from the marks obtained in CS020 (*using Excel formula*). [4]
  - iii. In cell D6 use an Excel formula to obtain the highest mark reached in CS103. [4]
- b. Describe the steps carried out in creating a Gmail account for personal use. [5]
- c. State the steps in which Gracious can follow to insert a table in MS Word. [3]

**\*\*\*\*\*END OF PAPER\*\*\*\*\***