BOTSWANA OPEN UNIVERSITY

Diploma in Business Management/

Diploma in Human Resource Management/

Diploma in Integrated Early Childhood Development

Basic Computing Skills

CS 112

Sessional Examination

Marks: 100

Time: 3 Hours

Instructions

1. The examination consists of **Three** sections: A,B and C.

2. Begin each answer to a new question on a new page.

3. Answer questions according to instructions given in each section.

4. Write answers in the answer booklet provided.

5. Write in grammatical English.

DIPLOMA
January – June

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SECTION – A TRUE OR FALSE QUESTIONS [10 MARKS]

Answer all questions. Each question carries ONE (1) mark.

State whether each of the following statements is TRUE or FALSE.

1. A 'byte' is a single binary digit representing a zero or a one.

2. Eyes, ears and fingers are part of input devices in the human system.

3. A Modem converts signal from binary form to digital and vice versa.

4. The scroll bars are located at the left and top edges of the screen.

5. Software describes all programs that are installed in a computer.

6. A plotter is an output device that is similar to a printer in all aspects.

7. Visual Display Units is used in online programming.

8. Main memory is subdivided into RAM and ROM.

9. CPU is where the processing of data takes place.

10. 'Trojan horses' and 'logic bombs' are examples of viruses.

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SECTION – B SHORT ANSWER QUESTIONS   **[50 MARKS]**

Answer ALL questions from this section.

1. Define the following:

    a. Computer.   **(2 marks)**

    b. Data.   **(2 marks)**

2. Define CPU and discuss the three components that make up a CPU   **(7 marks)**

3. Define internet and list the six components that are required before you can establish a connection with the internet.   **(8 marks)**

4. Give three advantages and three disadvantages of the Internet.   **(6 marks)**

5. Distinguish between the two types of System Software, use examples as necessary.

                                                                     (6 marks)

6. Explain any four common types of utility programs.   **(8 marks)**

    file manag

7. Explain two reasons why an individual/ company would opt to store their data on a CD-ROM rather than on a floppy disk.   **(4 marks)**

8. Distinguish between the following:

    a. ROM and RAM.   **(2 marks)**

    b. Microcomputers and Super computers.   **(5 marks)**

SECTION C - ESSAY TYPE QUESTIONS   [40 MARKS]

Answer any TWO questions in this section.

QUESTION 1

a. Discuss any five functions of an operating system.   (10 marks)

b. List and explain the five common types of utility programs.   (10 marks)

QUESTION 2

Discuss the pros and cons of the following topologies in each case describing a scenario within a business organization, in which both would be most appropriate.

a. Bus topology.   (10 marks)

b. Star topology.   (10 marks)

QUESTION 3

a. Discuss the five categories of computers.   (10 marks)

b. Identify and describe the elements of a computer system.   (10 marks)

END OF EXAMINATION