



DIPLOMA
January – June

Sessional Examination
CS112 – Basic Computing Skills

BOTSWANA OPEN UNIVERSITY

Diploma in Business Management/

Diploma in Human Resource Management

Basic Computing Skills

CS112

Sessional Examination

Marks: 100

Duration: 3 Hours

Instructions:

- This examination paper comprises of **Four** sections: **A, B, C and D**
- Answer **ALL** the questions
- Start a question on a new page
- Write legibly in grammatical English



SECTION A: MULTIPLE-CHOICE QUESTIONS

[10 MARKS]

Answer all the questions by choosing the best answer from the alternatives given.

1. The cheapest computers are classified as _____.
 - A. Mainframes computers
 - B. Server computer
 - C. Super computers
 - D. Micro computers

2. A person who illegally copies or duplicates software is called _____.
 - A. Software pirate
 - B. Programmer
 - C. System Analyst
 - D. Software criminal

3. What does WWW stand for?
 - A. Wide web world
 - B. World Wide Web
 - C. World web wide
 - D. Wide wealth web

4. What is the main function of a keyboard in a computer system?
 - A. To generate signals to the monitor
 - B. Allows users to output data from a computer
 - C. Used to enter data directly into the computer using keys labeled with various characters
 - D. It used to display processed data



5. Primary memory is used by
 - A. I/O devices
 - B. CPU
 - C. User
 - D. None of the above

6. The first generation computers used _____.
 - A. Vacuum tubes and magnetic drums
 - B. Magnetic tape and transistors
 - C. Integrated circuits
 - D. None of the above

7. The purpose of the modem in a network is to _____.
 - A. Converts digital signal to analog signal
 - B. Converts analog signal to digital signal
 - C. Converts electrical data into binary
 - D. Modulates and demodulates signal and vice versa

8. _____ is a printer that works by banging a head or needle against an ink ribbon to make a mark on the paper.
 - A. Impact printers
 - B. Non-impact printers
 - C. Non ribbon printers
 - D. Laser printers



9. What is android?
- A. Malware
 - B. Operating system
 - C. Application software
 - D. Firmware
10. The three (3) Central Processing Units (CPU) components are_____.
- A. Memory, RAM and Control Unit
 - B. Memory, ROM and ALU
 - C. ALU, Memory and Control Unit
 - D. ALU, Memory and System Unit



SECTION B: TRUE OR FALSE QUESTIONS

[10 MARKS]

State whether each of following statement is TRUE or FALSE. Answer all the questions.
Each question carries ONE (1) mark.

1. The base of binary number system is two (2).
2. Dot matrix is an example an impact printer.
3. Super computers are mostly used in areas such as colleges and for office work.
4. The difference between Random Access Memory (RAM) and Read Only Memory (ROM) is that RAM is volatile.
5. One of the functions of Control Unit in Central Processing Unit (CPU) is perform arithmetic and logic operations.
6. The smallest unit of data in a computer is kilobyte.
7. CD – ROM is a read-only.
8. Operating system is a program that helps users to solve day-to-day problems, e.g. tasks as writing a report or creating an advert using publisher.
9. Data is temporarily stored in secondary storage and permanently stored in primary storage such as RAM.
10. Linux is command driven operating system.



SECTION C: SHORT ANSWER QUESTIONS

[30 MARKS]

Answer ALL questions from this section

1. Define the following terms:
 - a. Information Communication Technology (ICT) **(2 Marks)**
 - b. Computer system **(2 Marks)**
2. Differentiate between data and information and provide examples. **(4 Marks)**
3. State the difference between mainframe computers and microcomputers **(4 Marks)**
4. With examples, distinguish between input and output devices. **(6 marks)**
5. Most organisations are nowadays moving away from manual systems to computerized systems. Identify three (3) areas where computerized systems are used and state how computers are used. **(6 Marks)**
6. Give the three rules you think the user of a PC should observe. **(6 marks)**



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SECTION D: ESSAY TYPE QUESTIONS

[50 MARKS]

Answer ALL questions from this section

1. By the use of a diagram, describe a computer system. **(15 marks)**
2. Discuss the five categories of viruses. **(10 marks)**
3. System Software can be divided into two categories, which are operating system and utility programs. Discuss the five common types of utility programs. **(10 marks)**
4. Explain five (5) components required to establish a connection with the internet. **(15 marks)**

END OF EXAMINATION PAPER