



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
MARCH/APRIL 2016 EXAMINATION

SCHOOL OF SCIENCE AND TECHNOLOGY

COURSE CODE: CIT 759
COURSE TITLE: Micro-Computing and WWW

Time: 3 hrs

Course Credit Unit: 3

Instruction: Answer any five (5) questions. Each question carries 14 marks

1.
 - a. With appropriate examples, state and explain the components of a microcomputer system. (6 marks).
 - b. List and explain the 3 types of adapter cards (4.5 marks)
 - c. Calculate the number of bytes required to store “illumination” (1 mark)
 - d. Express the exact number of bytes in 1 TB as a power of 2. (2.5 marks)
2.
 - a. State the functions of the 2 components of the CPU. (3 marks)
 - b. State the major difference between RAM and ROM (2 marks).
 - c. State the Windows operating system shortcut keys to perform the following operations:
 - i. Exit a program (1 marks)
 - ii. Open the help/support menu. (1 mark)
 - iii. Select all (1 marks)
 - iv. Copy (1.5 marks)
 - v. Paste (1.5 marks)
 - d. Briefly discuss data storage using floppy disks (3 marks)
3.
 - a. List and explain the other variants of CD-ROMs. (4 marks)
 - b. List and explain the other variants of DVDs (4.5 marks).
 - c. List 5 web browsers that run on Windows operating systems. (2.5 marks)
 - d. List 6 web search engines. (3 marks).
4.
 - a. Explain briefly how a keyboard works (2 marks).

- b. Explain briefly how a mouse works (4 marks).
- c. Discuss briefly touch-pads and how they work (3 marks).
- d. List and explain briefly 2 types of optical scanners (2.5 marks).
- e. List 2 components in a voice recognition system (2.5 marks).

5.

- a. List 2 components of hardware recognition input devices. (2 marks)
- b. List 2 display technologies used in PC systems. (2 marks)
- c.

Complete the table below summarizing the advantages and disadvantages of the different types of monitors (6 marks)

CHARACTERISTICS	CRT MONITOR	FLAT PANEL MONITOR
Size and weight		
Power consumption		
Potential viewing problems		
Price		

d. Briefly discuss the following:

- i. Ink jet printers (2 marks)
- ii. Dot-matrix printers (2 marks)

6. a List and explain 5 common image file formats/types their extensions and their meanings (7.5 marks).

b. List and explain 3 sound file formats their extensions and their meanings (4.5 marks).

c. List 2 common video file formats stating their extensions and their meanings (2 marks).

7. a. write briefly on the functions of 3 components of the CPU. (4.5 marks).

b. Outline the differences between RAM and ROM (2.5 marks).

c. enumerate and explain 3 types of adapter cards (4.5 marks).

d. outline the process of cutting a text (2.5 marks).