



**SCHOOL OF PROFESSIONAL STUDIES
BACHELOR OF INFORMATION COMMUNICATION TECHNOLOGY
UNIT CODEBCT113: - FUNDAMENTALS OF INFORMATION
COMMUNICATION TECHNOLOGY**

SEPTEMBER - DECEMBER, 2018 END SEMESTER EXAM -

2 HOURS

INSTRUCTIONS: Answer Question one (Compulsory) and any other Two

✓ **Question One**

- a. Argue the reasons as to why an ATM is referred to as sophisticated computers. **(10 marks)**
- b. Outline four examples of soft copy output devices as used in computers. **(4 marks)**
- c. Differentiate between spreadsheets and word processing as used in I.C.T. **(4 marks)**
- d. Outline any two roles played by I.C.T within the business fraternity. **(2 marks)**
- e. Differentiate between *optical* and *digital* storage devices. **(4 marks)**
- f. Discuss any four reasons why a computer user may intend to upgrade his/her computer systems even when the system is in good working conditions. **(6 marks)**

Question Two

- a. Explain **four** types of data processing modes as used in ICT. **(8 marks)**
- b. Outline any **three** characteristics of secondary storage devices **(3 marks)**
- c. Explain each of the following terms as used in computers.
 - i. Nibble **(2 marks)**
 - ii. Biometrics **(2 marks)**

✓ **Question Three**

- a. Discuss **three** functions of operating systems as used in computer software **(6 marks)**
- b. With the aid of a well label block diagram, outline the components of a digital computer system. **(9 marks)**

✓ **Question Four**

- a. Mactech Company Ltd is on a mission to purchase new software for their use in their company. Other than cost, explain any **three** factors they should consider when purchasing the programs. **(6 marks)**

marketing department

(4 marks)

- c. The I.C.T personnel within Scott Christian University have noted with concern that the spread of computer virus as well as the loss of hardware components within the campus is alarming. Outline *five* ways of controlling the loss of data and equipment. (5 marks)

Question Five

- a. Explain the *four* main operational functions of computer hardware (8 marks)
- b. Differentiate between **Non-impact** and **impact** printers. (4 marks)
- c. Technology is advancing at a very high speed. State any three ways in which software users can cope with this trend. (3 marks)