MURANG'A UNIVERSITY OF TECHNOLOGY

SCHOOL OF COMPUTING AND INFORMATION TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY

UNIVERSITY ORDINARY EXAMINATION

2018/2019 ACADEMIC YEAR

FIRST YEAR **FIRST** SEMESTER EXAMINATION FOR, CERTIFICATE IN INFORMATION TECHNOLOGY

SIT 001 – INTRODUCTION TO COMPUTER AND OPERATING SYSTEM

DURATION: 2 HOURS

DATE:

TIME:

Instructions to candidates:

1. Answer question One and Any Other Two questions

2. Mobile phones are not allowed in the examination room.

3. You are not allowed to write on this examination question paper.

SECTION A: ANWER ALL QUESTIONS IN THIS SECTION

QUESTION ONE (30 MARKS)

a) Define the following terms:
   i.   Computer
   ii. Hardware
   iii. Software
   iv. Operating system
   v.   CPU

b) Explain four basic functions of a computer   (4 marks)
c) Give five reasons why computers are regarded as too powerful   (5 marks)
d) Discuss five functions of an operating system   (5 marks)
e) Discuss at least five characteristics of 3rd generation computer   (5 marks)
f) Explain the difference between:
   i.   RAM and ROM
   ii. Input devices and output devices
g) State at least two input devices   (2 marks)

SECTION B - ANSWER ANY TWO QUESTIONS IN THIS SECTION

QUESTION TWO (20 MARKS)

a) State four differences between a main frame and a super computer   (4 marks)
b) Discuss the two primary sections of a CPU   (4 marks)
c) Explain the difference between: (6 marks)
   i.   BIOS and POST
   ii. Cold boot and warm boot
   iii. Readymade software ad tailor made software
d) Discuss at least three file extensions   (6 marks)

QUESTION THREE (20 MARKS)

a) Ben, a CIT student at MUT installed an OS on his laptop. After installation, he realized that the laptop could not access wireless signal.
   i.   Explain the causes of the above problem   (3 marks)
   ii. Discuss two ways of resolving the above problem   (4 marks)
b) Explain four reasons why antivirus are installed in a computer   (4 marks)
c) (i) state the difference between moving and copying a file in windows system
                                                                 (4 marks)
   (ii) Highlight two ways of moving a file   (4 marks)
d) State at least two output devices   (1 mark)

QUESTION FOUR (20 MARKS)

a) Give reason why RAM is considered volatile   (2 marks)
b) Explain the function of the following items that are located on the desktop (8 marks)
    i.   Taskbar
    ii.   Program icon
    iii.   Move pointer
    iv.   Start button
c) Discuss the difference between the following folder items:
    i.   Minimize button and maximize button   (3 marks)
    ii.   Tool bar and address bar   (3 marks)
    iii.   Navigation panel and detail pane   (3 marks)
d) Give reason why it is important to save documents before you shut down the computer
                                                                                 (1 mark)