OFFICE OF THE DEPUTY PRINCIPAL

ACADEMICS, RESEARCH AND STUDENTS' AFFAIRS

UNIVERSITY EXAMINATIONS

2019 /2020 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER REGULAR EXAMINATION

FOR THE DIPLOMA IN BUSINESS

MANAGEMENT

COURSE CODE: DBM 010/DSTE 03

COURSE TITLE: COMPUTER APPLICATIONS

DATE:09/12/2019   **TIME: 2.00-5.00PM**

INSTRUCTION TO CANDIDATES

- **SEE INSIDE**

THIS PAPER CONSISTS OF 4 PRINTED PAGES   **PLEASE TURN OVER**

QUESTION ONE

a) Discuss FOUR types of computer systems according to their size and speed.   (8 Marks)

b) Differentiate between the following: (6 Marks)

i) Primary memory and secondary memory

ii) Application software and system software

iii) Cold booting and warm booting

c) Computers were introduced in the 1940's. Discuss the generation of computer since then up to date.   (6 Marks)

d) Explain the following terms as applied in computer security: (6marks)

i)Denial of service attack   (2 marks)

ii)Spyware   (2 marks)

iii)Key loggers   (2 marks)

e) Discuss any FOUR moral dimensions of the information age   (4marks)

QUESTION TWO

a) Define the following terms.   (6 Marks)

i. Software

ii. A computer system

iii. Input devices

d) What are the functions of the random access memory?   (3 Marks)

e) Explain FOUR major areas where computers are used in the society today   (4 Marks)

f) Discuss the grouping of the keyboard. (2 Marks)

g) Explain the following terms as used in computer programming: (5 Marks)

    i.   *Variable*
   ii.   *Array*

QUESTION THREE

a) Give THREE examples of application and system software (6marks)

b) Briefly explain the meaning of cache memory. (4 marks)

c) Outline SIX components mostly found in the graphical user interface. (6 Marks)

d) Discuss any FOUR types of threats in an information system environment (4marks)

QUESTION FOUR

a) Outline any TWO functions of a database in a firm (2marks)

b) Explain any THREE types of computer networks (3marks)

c) Give the FOUR advantages and disadvantages of using computers (8marks)

d) What do you understand by the term internet (3marks)

e) Explain giving examples, the meaning if icons in graphical user interfaces (4Marks)

QUESTION FIVE

a) Describe any FOUR elements of a computer programme (4Marks)

b) Explain the difference between Dynamic RAM and Static RAM? (4Marks)

c) Distinguish between digital and analogue transmission. (4Marks)

d) Give four examples of the types of networks available for data communications (8marks)