P. O.Box 845-50400 Busia(K)
principal@auc.ac.ke
Tel: +254 741 217 185
+254 736 044 469
off Busia-Malaba road

OFFICE OF THE DEPUTY PRINCIPAL

ACADEMICS, RESEARCH AND STUDENTS' AFFAIRS

UNIVERSITY EXAMINATIONS

2021 /2022 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER REGULAR EXAMINATION

FOR THE DIPLOMA IN BUSINESS MANAGEMENT

COURSE CODE: DBM 10

COURSE TITLE: INTODUTION TO COMPUTERS

DATE:31/05/2022   **TIME: 2.00-5.00pm**

INSTRUCTION TO CANDIDATES

- **SEE INSIDE**

THIS PAPER CONSISTS OF 4 PRINTED PAGES   PLEASE TURN OVER

i. *Answer Question **ONE** and any other **TWO** questions.*

ii. *Maps and diagrams should be used whenever they serve to illustrate the answer.*

iii. *Do not write on the question paper.*

Question One

a) Define the following terms giving examples:

i. Computer software (2 Marks)

ii. Computer hardware (2 Marks)

iii. Computer system (2 Marks)

b) Describe any four applications of a computer system in our day to day life. (4 Marks)

c) Distinguish between:

(i) Soft-copy and hard-copy output. (4 Marks)

(ii) Application packages and system software (4 Marks)

d) (i) Explain four functions of an operating system. (4 Marks)

(ii) State two types of the operating systems. (2 Marks)

e) Briefly discuss the following types of computers:

i) Analogue computer. (3 Marks)

ii)Digital computers. (3 Marks)

Question Two

a)Discuss the types of computers according to Classification by power and size/ configuration

giving their features. (3 Marks)

b) Draw a well labeled diagram showing the basic hardware units of a computer system

identifying the control and data links between them. (7 Marks)

c) Outline the differences between LAN and WAN types of networks. (5 Marks)

d)

i) Describe two types of optical discs available today and how they differ from each other.

(2 marks)

ii) Differentiate electronic spreadsheet from manual spreadsheet. (3 Marks)

Question Three

a) Explain any two ways in which computers can be classified (2 Marks)

b) Outline the advantages of using secondary storage over primary storage. (6 Marks)

c) Discuss the following computer generations:

    (i) First computer generation. (3 Marks)

    (ii) Second computer generation. (3 Marks)

    (iii)Third computer generation. (3 Marks)

d) Briefly describe the precautions that should be taken when using a computer system.(3 Marks)

Question Four

a) Define the following terms:

    (i) Computer Networking. (2 Marks)

    (ii) Topology. (2 Marks)

    (iii)Word processor (2 Marks)

b) (i) State three types of network topologies. (3 Marks)

    (ii) With an aid of a labeled diagram, explain the above topologies giving two advantages and

    disadvantages of each. (9 Marks)

c) Outline two benefits of using a network in an organization. (2 Marks)

Question Five

a) The CPU is made up of three parts. List these parts and explain their functions. (4 Marks)

b) A computer memory is an electronic circuit in the computer used for holding data and

    instructions and already processed data. Distinguish between RAM and ROM. (6 Marks)

c) Outline five characteristics of a good word processor. (5 Marks)

d)Briefly discuss the factors to consider before buying a computer for your own use. (5 marks)