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OFFICE OF THE DEPUTY PRINCIPAL

ACADEMICS, RESEARCH AND STUDENTS' AFFAIRS

UNIVERSITY EXAMINATIONS

2018 /2019 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER REGULAR EXAMINATION

FOR THE DEGREE OF BACHELOR OF SCIENCE IN COMMUNICATION AND PUBLIC RELATIONS

COURSE CODE: **CMM 103**

COURSE TITLE: **COMPUTER STUDIES**

DATE:13/12/2018   **TIME: 2.00-5.00PM**

INSTRUCTION TO CANDIDATES

- **SEE INSIDE**

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

CMM 103: COMPUTER STUDIES

STREAM: BSC.COMM & PUBLIC RELATIONS
DURATION: 3 HOURS

INSTRUCTIONS TO CANDIDATES

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

ii. *Do not write on the question paper*

Question One

a) Define the term computer (2 marks)

b) Describe **five** stages in the evolution of digital computers stating the major technological invention of each. (6marks)

c) Define the following terms: (6 marks)

    i. Data

    ii. Information

    iii. Softcopy

    iv. Hard copy

    v. RAM

    vi. ROM

d) Explain **five** advantages of using computers for processing data. (5 marks)

e) Outline **five** functions of a database in a firm (5marks)

f) Explain any **three** functions of the operating system? (6 marks)

Question Two

a) Explain the classifications of computer software giving examples of each. (4 marks)

b) List the major classifications of computer systems. (8marks)

c) Operating systems can be classified on the basis of user interface. Describe any **two** types of computer user interfaces. (4 marks)

d) Define network topology and explain **four** types of these topologies (4marks)

Question Three

a) Differentiate between warm booting and cold booting. (4 marks)

b) Identify **four** major components of a computer system (8marks)

c) State any **four** healths associated with the use of computer and suggest the solution for each.

(8 marks)

Question Four

a) Discuss **four** types of computers systems according to their size and speed. (8 marks)

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

i)Denial of service attack

ii)Spyware

iii) Key loggers

c) Outline **three** components of a CPU and explain their function (6 marks)

Question Five

a)   Outline **four** examples of input and output devices in a computer system. (4 marks)

b)   Differentiate between system software and application software. (4 marks)

c)   Outline **six** characteristics of computers. (6 marks)

d)   Differentiate between:

i.Micro computer and minicomputer. (2 marks)

ii.Main frame computer and super computer. (2 marks)

e) Define the following terms:

i) Volatile memory. (1 mark)

ii) None volatile memory. (1 mark)