

TED 102



OFFICE OF THE DEPUTY PRINCIPAL

ACADEMICS, RESEARCH AND STUDENTS' AFFAIRS

UNIVERSITY EXAMINATIONS

2019 /2020 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER REGULAR EXAMINATION

FOR THE DEGREE OF BACHELOR OF EDUCATION

COURSE CODE:TED 102

COURSE TITLE: COMPUTERS AND INFORMATION
MANAGEMENT IN EDUCATION

DATE:13/10/2020

TIME: 3.00 HRS

INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 5 PRINTED PAGES

PLEASE TURN OVER

QUESTION ONE

- a) Define a computer system (2 marks)
- b) Differentiate between input devices and output devices. Give two examples of each (4 marks)
- c) Differentiate between primary memory and secondary memory (2 marks)
- d) Explain how can computers be categorised according to how they represent numbers (6 marks)
- e) With the aid of a diagram, describe the basic operation of a computer (8marks)
- f) Discuss the three types of software (6 marks)
- g) Define a computer network (2 marks)

QUESTION TWO

- a) Explain the following terms: (6 marks)
- i) internet
- ii) URL
- iii) Browser
- b) Explain any two types of service offered through the internet (4marks)
- c) Differentiate between 1GHz and 1 GB. (2 marks)
- d) Write A.L.U in full and explain its functions. (2marks)
- e) Explain the system start up process (6marks)

QUESTION THREE

- a) Differentiate between data and information (4 marks)
- b) Explain four qualities of good information (4marks)
- c) What is an information system (2 marks)
- d) What is a network topology? (2 marks)
- e) With the aid of a diagram, explain any two types of topologies (6 marks)
- f) Differentiate between a LAN and a WAN (2marks)

QUESTION FOUR

- a) Explain the difference between software and hardware (2 marks)
- b) Explain the meaning of an operating system (2 marks)

- c) Explain any three functions of the operating system (6 marks)
- d) Explain the difference between an impact and non impact printer? Give one example of each. (3 marks)
- e) Give an explanation why RAM is said to be volatile (1 mark)
- f) Explain three advantages of using computers in a school (6 marks)

QUESTION FIVE

- a) What is the meaning of computer security measures (2 marks)
- b) Explain any two types of physical security measures that can be undertaken in a school environment against computer attack (4 marks)
- c) List four measures that you can take to prevent viral attack on computers (4 marks)
- d) Discuss any five social implications of the internet (10marks)