



**ALUPE UNIVERSITY
COLLEGE**

Bastion of Knowledge...

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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 DIPLOMA IN PUBLIC ADMINISTRATION

COURSE CODE: DPA 16

COURSE TITLE: COMPUTER APPLICATIONS

DATE: 19TH DECEMBER, 2018

TIME: 2.00 PM-5.00 PM

INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 3 PRINTED PAGES

PLEASE TURN OVER

Instructions to candidates

- i. Answer question one (compulsory) and any other two questions
- ii. Candidates are advised not to write on the question paper

Question One

- a) Define a computer system (2mks)
- b) Name three things which are contained on the motherboard of a computer. (3 marks)
- c) Explain what the four main sections of a computer are, and what they do. (8 marks)
- d) Explain the following terms and provide an example of each type:
 - i. Batch processing (3 marks)
 - ii. Real time processing (3 marks)
 - iii. Transaction processing (3 marks)
 - iv. Interactive processing (3 marks)
- e) Name the following components in a computer system.
 - i. A circuit board which connects most of the other devices on a computer. (2 marks)
 - ii. It takes digital data from the computer system and turns it into visible images. (2mark)
 - iii. It turns digital computer data into analogue audio signals. (2 marks)

Question Two

Write short notes on the following terms:

- i. Hard disk (2marks)
 - ii. Mouse (2 marks)
 - iii. Mobile telephone (2 marks)
 - iv. Printer (2 marks)
 - v. Modem (2 marks)
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- b) Explain each of the following memory types shown below.
 - i. ROM (2 marks)

ii. RAM (2 marks)

iii. Cache (2 marks)

c) Outline one advantage and one disadvantage of each of the following types of input devices:

i. Manual (2 marks)

ii. Automatic (2 marks)

Question Three

a) Outline the functions of each of the following software types shown below.

i) Operating system (3 marks)

ii) Application software (3 marks)

iii) Utilities software (3 marks)

iv) Programming software (3 marks)

b) Describe the components in the system unit (8marks)

Question Four

a) Describe the different types of display devices (5marks)

i. CRT

ii. LCD

b) Explain factors that affect the quality of a display device (5marks)

c) Identify various types of storage media and storage devices used with computer systems (10 marks)

Question Five

a) Define a database (2marks)

b) What's a computer network (3marks)

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

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

e) Discuss the types of threats in an information system environment (4marks)

