



ALUPE UNIVERSITY
COLLEGE

... Bastion of Knowledge ...

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, STUDENT AFFAIRS AND RESEARCH

UNIVERSITY EXAMINATIONS

2020 /2021 ACADEMIC YEAR

FIRST YEAR SECOND SEMESTER REGULAR EXAMINATION

FOR THE DEGREE OF BACHELOR OF EDUCATION

COURSE CODE:

TED 102

COURSE TITLE:

**COMPUTERS AND
MANAGEMENT OF
INFORMATION IN EDUCATION**

DATE: 22/07/21

TIME: 9.00AM-12.00PM

INSTRUCTION TO CANDIDATES

- SEE INSIDE
- PLEASE TURN OVER

INSTRUCTIONS TO CANDIDATES

- 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) Differentiate between the following computer memories: RAM and ROM (2 marks)
- b) Evaluate the role of information systems in a school today. (7marks)
- c) Give examples of the types of networks available for data communications (6marks)
- d) Evaluate the role played by systems serving the various levels of management in a school and their relationships with each other. (7marks).
- e) Discuss four components of I.T infrastructure in an organization (8marks)

Question Two

- a) Elaborate on the functions of MIS in an educational institution (10 marks)
- b) Describe the core activities in the system development process. (10marks)

Question Three

- a) Explain how trends in technology have the potential to increase the concern about ethical issues relating to the use of information systems. (10marks)
- b) The view of computers into generations is based on the fundamental technology employed. Examine the drawbacks of the first generation computers (5 marks)
- c) The CPU (Central Processing Unit) controls the processing of instructions. Describe the elements that the CPU is composed of (5 marks)

Question Four

- a) Assess the role of information policy on data administration and data quality assurance in the management of an organizational data resources (10marks)
- b) Assess the impact of Education Management Information Systems to a modern school.
- c) Examine the difference between primary and secondary storage (4marks)

Question Five

a) Describe five properties of an expert system.

(10marks)

b) Identify five major components of a computer system

(10marks)