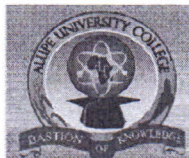


SAS 102



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Bastion of Knowledge...

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**OFFICE OF THE DEPUTY PRINCIPAL
ACADEMICS, STUDENT AFFAIRS AND RESEARCH**

UNIVERSITY EXAMINATIONS

2017/2018 ACADEMIC YEAR

FIRST YEAR FIRST SEMESTER EXAMINATION

**FOR THE DEGREE OF BACHELOR
OF SCIENCE IN COUNSELLING
PSYCHOLOGY
SCHOOL: EDUCATION AND SOCIAL
SCIENCES**

COURSE CODE: SAS 102

COURSE TITLE: COMPUTER LITERACY SKILLS

DATE: 14th December, 2017 TIME: 2.00pm-5.00pm

INSTRUCTION TO CANDIDATES: SEE INSIDE

THIS PAPER CONSISTS OF 20 PRINTED PAGES

For examiner's Use Only

Question	I.E	E.E
CAT		
EXAM		
TOTAL		

PLEASE TURN OVER

Insert the numbers of the questions you have answered in the order done

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Student Admission No.....Exam Card No.....Signature.....

INSTRUCTIONS TO CANDIDATES

1. Write your **Admission Number**, **Exam Card Number** and **Sign** in the spaces provided at the bottom of each page of the Examination Booklet. DO NOT write your name anywhere in this booklet.
2. Write on both sides of the pages.
3. All rough work must be done in the Answer sheets and crossed through.
4. If supplementary pages are used, they must be fastened all together at the end of this Booklet. Supplementary pages should be used only after all the leaves in the booklet have been exhausted.
5. It is a serious examination offence to cheat or to have unauthorized materials including **MOBILE PHONES** (whether on or off) in the examination venue.
6. In no circumstances must Answer Booklet used or unused, be removed from the examination room by a candidate.
7. The Booklet is for **Examination use only** in a designated examination room. Unauthorized possession of the Answer sheets by a student or any other person constitutes an examination irregularity calling for stiff disciplinary action.
8. Do not pluck any page from this Booklet. Any extra/unused answer sheets should be returned to the **Examination Office**.
9. Candidates who come to examination room 30 minutes late will not be allowed to sit for the exam.
10. Candidates will not be allowed to leave the exam room once the exam commences.
11. Candidates are advised that importance is attached by examiners to accuracy and clarity of expression.
12. Committing any form of irregularity is prohibited and shall attract severe disciplinary action in accordance with Alupe University College Examination Regulations.

Student Admission No.....Exam Card No.....Signature.....

Instructions

1. Answer question one (compulsory) and any other two questions
2. Candidates are advised not to write on the question paper
3. Candidates must hand in their answer booklets to the invigilator while in the examinations room

QUESTION ONE. (30MARKS)

a) Explain the following terms. (6 Marks)

- (i) Software
- (ii) A computer system
- (iii) Input devices



(b) Discuss the types of computers according to size and speed. (8 Marks)

(c) Differentiate between the following: (6 Marks)

- (i) Primary memory and secondary memory
- (ii) Application software and system software
- (iii) Cold booting and warm booting

(d) Describe the functions of the random access memory in a computer system. (3 Marks)

(e) Explain four major areas where computers are used in the society today. (4 Marks)

(f) Discuss the grouping of the keyboard. (3 Marks)

QUESTION TWO (20MARKS)

(a) Mention four units used to measure computer memory. (4 Marks)

(b) Computers were introduced in the 1940's. Discuss the generation of computer since then up to date. (10 Marks)

(c) Explain four components mostly found in the graphical user interface. (2 Marks)

(d) Outline four types of magnetic storage disk and four types of optical storage disk. (4 Marks)

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QUESTION THREE (20MARKS)

- a) Explain, how memories can be classified? (4Marks)
- b) Briefly explain cache memory. (4Marks)
- c) Explain the difference between Dynamic RAM and Static RAM? (4Marks)
- d) Define an Icon and give two types of icons. (4Marks)
- e) Convert 755 into binary equivalent. (4Marks)

QUESTION NO. FOUR (20MARKS)

- a) Briefly explain the meaning of an operating system? (2Marks)
- b) Enumerate the four functions of operating system? (4Marks)
- c) Explain the forgiveness feature of GUI? (2Marks)
- d) Discuss why computers prove to be an effective tool for communication? (4Marks)
- e) Define the following terms as used in information technology.(8marks)
- i. Database
 - ii. Data encryption
 - iii. Spy ware
 - iv. HTML

QUESTION NO. FIVE (20 MARKS)

- a) What do you understand by the following terms? (4Marks)
- (i) URL
- (ii) Multimedia
- b) User interface design is very important in the development of any computer system. Explain the main user interface design principles (6marks)
- d) Distinguish between digital and analog transmission. (4 Marks)
- e) Write short notes on the following: (6Marks)
- i. data bus
 - ii. Address bus
 - iii. Control bus