BBM 111/ECO 114

ALUPE UNIVERSITY COLLEGE

...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 ARTS (ECON)

SCHOOL: SCIENCE

COURSE CODE: BBM 111/ECO 114

COURSE TITLE: COMPUTER STUDIES/

INTRODUCTION TO COMP. SYSTEMS I

DATE: 11th December, 2017 **TIME:** 2.00Pm-5.00pm

INSTRUCTION TO CANDIDATES : SEE INSIDE

THIS PAPER CONSISTS OF 20 PRINTED PAGES

PLEASE TURN OVER

For examiner's Use Only

Question	I.E	E.E
CAT		
EXAM		
TOTAL		

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

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.

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Instructions

1. Answer question one (compulsory) and any other two questions

2. Candidates are advised not to write on the question paper

QUESTION ONE (30 MARKS)

a) Define a computer system (2marks)

b) Explain the difference between analogue and digital computers? (4marks)

c) Describe any four parameters used in classifying computer systems (4marks)

d) Give the major advantages and disadvantages of using computers (8marks)

e) Explain the difference between data and information (4marks)

f) Identify the major components of a computer system (8marks)

QUESTION TWO (20 MARKS)

a) Using division Algorithm, convert the following into respective bases.(8 marks)

i) 103 to Binary.

ii) 1110011 to decimal

iii) 103 to octal

iv) 58 to Binary

b) The CPU and memory are normally connected by three groups of connections, each called a bus. Describe any three types of buses used in communications between CPU/Memory and Input/output devices   (6 marks)

c) Explain why it's necessary to have secondary storage facilities in a computer system (6marks)

QUESTION THREE (20 MARKS)

a) Identify three programmes that can be classified as system programmes (3marks)

b) Identify five programmes that can be classified as application programmes (5marks)

c) Explain why some devices are referred as peripheral devices in computer systems? (2marks)

d) Explain, giving examples any five network topologies(10marks)

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QUESTION FOUR (20MARKS)

Define the following terms: (8marks)

      i)   Software

      ii)   Firmware

      iii)   Internet

      iv)   browser

b) Elaborate why it's necessary to have a Random Access Memory in a computer system (2marks)

c) Explain five functions of a computer operating system (10marks)

QUESTION FIVE (20MARKS)

a) Explain the major function of a data base in a computer system (2marks)

b) Briefly explain any two functions of a computer processor (3marks)

c) Give any four 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)

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