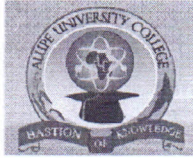


BBM 111/ECO 114



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... 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 DEGREE OF BACHELOR OF BUSINESS
MANAGEMENT/BA.ECONOMICS**

COURSE CODE: BBM 111/ECO 114

COURSE TITLE: COMPUTER STUDIES

DATE:18/12/2018

TIME: 9.00AM-12.00PM.

INSTRUCTION TO CANDIDATES

- SEE INSIDE

THIS PAPER CONSISTS OF 4 PRINTED PAGES

PLEASE TURN OVER

BBM 111/ECO 114: COMPUTER STUDIES

STREAM: BBM/BA.ECON

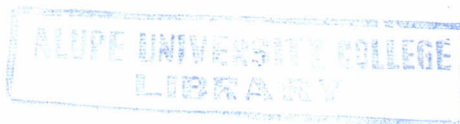
DURATION: 3 HOURS

INSTRUCTIONS TO CANDIDATES

- i. Answer Question **ONE** and any other **TWO** questions
- ii. Do not write on the question paper

Question One

- a) A computer vendor advertised a computer with the following specifications: Explain the given specifications (6 marks)
- i. Intel Pentium duo core, 3Ghz processor
 - ii. 3.0 GB RAM
 - iii. 320 GB HDD.
 - iv. 15.6" monitor
- b) How many 1.44 MB storage devices would be used to store data that require a storage space of 4.7 GB? (2 marks)
- c) Explain two benefits which an organization may enjoy after automating their production system (4 marks)
- d) Contrast a file management system from a database management system (3 marks)
- e) Define the following terms as used in information technology. (8marks)
- i. Database
 - ii. Data encryption
 - iii. Spy ware
 - iv. HTML
- f) Give a brief description of the following code
- i. ASCII (1 mark)
 - ii. Unicode (1 mark)
- g) State and briefly explain any five primary functions of the operating system (5 marks)

**Question Two**

- a) Computers use the binary number system instead of the decimal number system; explain four reasons that justify this decision (6 marks)
- b) Perform the following base conversions: (5marks)
- i. Convert 79 base 10 into binary
 - ii. Convert CODE base 16 into decimal
- c) Distinguish between the second and the third computer generations (5 marks)
- d) Give two advantages and disadvantages of the following types of printers if your organization decides to purchase them
- i) Laser printer (2 marks)
 - ii) Dot matrix printer (2 marks)

Question Three

- a) Give a brief description of the following
- i) Sequential files (2 marks)
 - ii) Random files (2 marks)
 - iii) Indexed sequential files (2 marks)
- b) A student wants to upgrade her operating system. State and explain five factors she should consider (5 marks)
- c) Describe the difference between Mini computers, super computers and mainframe computers (6 marks)
- d) Describe how computers can prove to be an effective tool for communication (3Marks)

Question Four

- a) Identify and explain any four salient features of modern computers (8 marks)
- b) Give an elaborate distinction between digital computers and analog computers (4 marks)
- c) What do you understand by the following terms? (4Marks)
- (i) URL
 - (ii) Multimedia

d) Define the following terms as used in computers:

i. Bit (2 mark)

ii. Word length (2 mark)

Question Five

a) Distinguish between RAM and ROM and give two examples of each type (4 marks)

b) Give the functions of each of the following components

i)Control Unit (2 marks)

ii)Arithmetic Logic unit (2 marks)

c) Identify four advantages of using a word processor package over a type writer (4marks)

d) User interface design is very important in the development of any computer system. Explain six user interface design principles (8marks)
