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**JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS**

**UNIVERSITY XAMINATIONS FOR THE DEGREE OF BACHELORS OF BUSINESS ADMINISTRATION WITH I.T**

**1ST YEAR 1ST SEMESTER, 2017/18 ACADEMIC YEAR**

**NAMBALE CAMPUS**

**COURSE CODE: SCS 101**

**COURSE TITL: INTRODUCTION TO COMPUTERS**

**EXAM VENUE: NAMBALE STREAM:BBA**

**DATE: DECEMBER 2017**

**TIME :2 HOURS**

**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 (30 MARKS)**a) Discuss **FOUR** types of computers systems according to their size and speed. (8 Marks)

b) Differentiate between the following: (6 Marks)
(i) Primary memory and secondary memory

(ii) Application software and system software

(iii) Cold booting and warm booting

c) Give **THREE** examples of application and system software (6marks)

1. Application Software
2. System Software

d)Explain the following terms as applied in computer security: (6marks)
 i)Denial of service attack

 ii)Spyware

 iii)Key loggers

e) Discuss any **FOUR** moral dimensions of the information age (4marks)

**QUESTION TWO (20 MARKS)**

a) Explain giving **TWO** examples of each, the following terms. (6 Marks)

1. Software
2. A computer
3. Input devices

b) Discuss **THREE** functions of the random access memory? (3 Marks)

c) Explain four major areas where computers are used in the society today (4 Marks)
d) Discuss the grouping of the keyboard. (2 Marks)

e) Explain the following terms as used in computer programming: (5 Marks)

1. Variable
2. Array

**QUESTION THREE (20 MARKS)**
a) Briefly explain the meaning of cache memory. (4 marks)

b)Computers were introduced in the 1940’s. Discuss the generation of computer since then up to date. (6 Marks)
c) Outline **SIX** components mostly found in the graphical user interface. (6 Marks)

d) Discuss **FOUR** types of threats in an information system environment (4marks)

**QUESTION FOUR (20MARKS)**
a)Outline any two functions of a database in a firm (2marks)

b) Explain any three types of computer networks (3marks)

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

d) Briefly explain what you understand by the term The internet (3marks)

e) Explain giving TWO examples, the meaning if icons in graphical user interfaces (4Marks)

**QUESTION FIVE (20MARKS)**

a) Describe FOUR elements of a computer programme (4Marks)

b) Explain the difference between Dynamic RAM and Static RAM? (4Marks)

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