



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF BUSINESS AND ECONOMICS

DEPARTMENT OF

UNIVERSITY EXAMINATION FOR THE DEGREE IN

1ST YEAR 1ST SEMESTER 2017/2018 ACADEMIC YEAR

KISUMU LEARNING CENTER

COURSE CODE: SCS 114

COURSE TITLE: INTRODUCTION TO SPREADSHEETS AND DATABASE

EXAM VENUE:

DATE:

EXAM SESSION:

TIME:

INSTRUCTIONS

- 1. Answer Question 1 (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 examination room**

Question 1 [30 marks]

- a) Define the following terms
 - i) Spreadsheet(2 marks)
 - ii) Database (2 marks)
- b) What are some of the uses of a spreadsheet? (4 marks)
- c) Who are the users of database? (3 marks)
- d) What is the relationship between primary and foreign keys? (2 marks)
- e) Give the main objectives when designing a secure database? (3 marks)
- f) What is the main advantage of database over spreadsheet? (2 marks)
- g) State the disadvantages of a single table database (5 marks)
- h) What is the difference between primary key and foreign key? (4 marks)
- i) State the types of queries that can be made using SQL (3 marks)

Question 2 [20 marks]

- a) Name the common parts of a spreadsheet(10 marks)
- b) Data manipulation language is one of the components of SQL. Give the basic instructions and the basic structure of the SQL command(10 marks)

Question 3 [20 marks]

- a) Discuss the Advantages and Disadvantages of Databases(20 marks)

Question 4 [20 marks]

- a) Discuss the pitfalls of using a spreadsheet(10 marks)
- b) What are the reasons of using a DBMS?(10 marks)

Question 5 [20 marks]

Elaborate the difference between the Oracle database and QuickBase database(20 marks)