JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATION

UNIVERSITY EXAMINATION FOR THE DEGREE OF BACHELOR IN BUSINESS ADMINISTRATION

UNIT CODE: SCS 2114

UNIT TITLE: INTRODUCTION TO SPREADSHEET AND DATABASE

EXAM VENUE: 9TH FLOOR
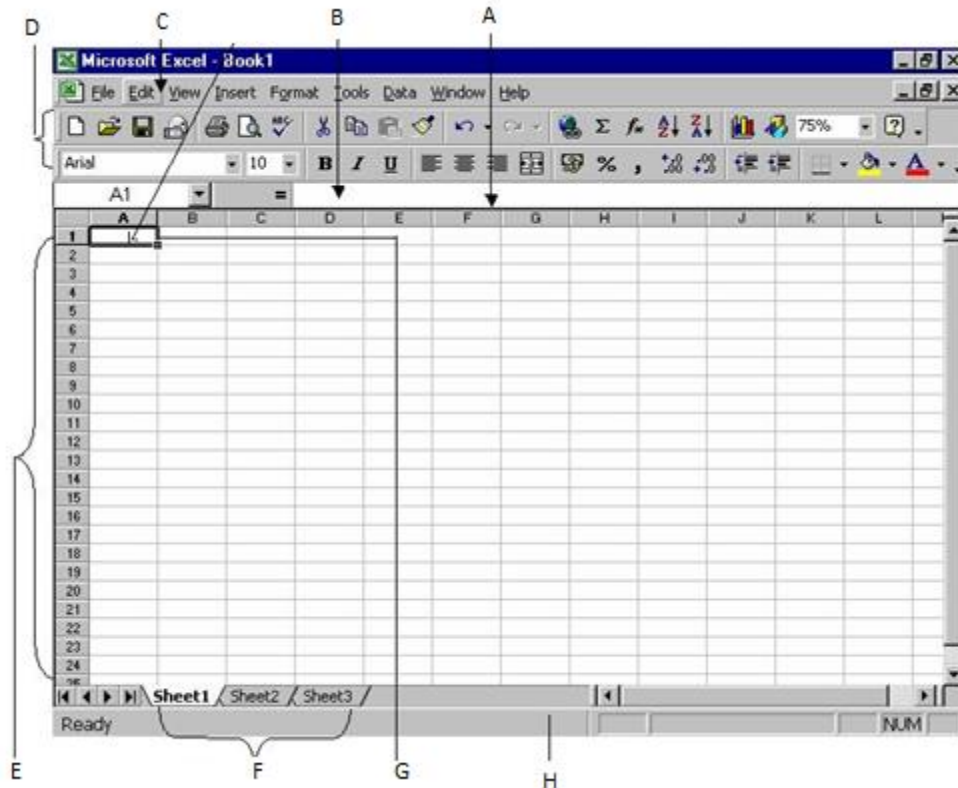
DATE: 15/ DEC/2016

TIME: 2HOURS

EXAM SESSION: 2:00PM-4; 00PM

INSTRUCTIONS

1. Answer QUESTION ONE (compulsory) and ANY other TWO questions.
2. Candidates are advised not write on the question paper.
3. Candidates must hand in their answer booklets to the invigilator while in the examination room.

QUESTION ONE:

a) Define the following terms: (4marks)
   i) Primary key
   ii) Field
   iii) Record
   iv) Forms
b) Differentiate the following terms: (4marks)
   (i) row and column
   (ii) spreadsheet and database
c) Explain any four responsibilities of a database administrator. (4marks)
d) Database design can be divided in six major steps, name these six steps (6marks)
e) Name and explain the functions of the following A-H in a spreadsheet in the figure below. (12marks)

QUESTION TWO
a) Name any three people who deal with database (2marks)
b) Explain any four benefits of good database design (8marks)
c) Name and explain any five types of database systems (10marks)

QUESTION THREE
a) Explain benefits of using database to store information. (10marks)

b) Discuss any five applications of spreadsheets (10marks)

QUESTION FOUR
a) Explain any four Disadvantages of Database Systems (8marks)
b) Discuss four database systems languages that are being used during database management systems (12marks)

QUESTION FIVE
a) Explain five applications of database systems (10marks)
b) Outline and discuss any five classifications of database management systems. (10marks)