



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2018/2019

FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE
(REAL ESTATE MANAGEMENT)

BRE 101: INTRODUCTION TO ICT

DATE: THURSDAY 20TH DECEMBER 2018

TIME: 2.00 P.M. - 4.00 P.M.

INSTRUCTIONS: ANSWER QUESTION ONE AND ANY OTHER TWO

QUESTION ONE (30 MARKS)

- a) Define the following terms (5 marks)
 - a. Database
 - b. Booting
 - c. Computer Virus
 - d. Operating system
- b) CPU is referred as the brain of a computer. Discuss (6 marks)
- c) State positive and negative impact of a computer in our society (6 marks)
- d) Briefly explain the booting process of a computer. (4 marks)
- e) State two categories of computer according to functionality (4 marks)
- f) Briefly explain how information is processed (5 marks)

QUESTION TWO (20 MARKS)

- a) Outline how to perform the following tasks in Ms Excel (5 marks)
 - i. Renaming worksheet
 - ii. Hiding column
 - iii. Make cell reference absolute
 - iv. Selecting entire worksheet
 - v. Inserting a worksheet in a workbook
- b) State four types of views in Ms PowerPoint presentation. (4 marks)
- c) Differentiate between the following terms; (6 marks)
 - i. Undo and Redo
 - ii. Standard bar and Status bar
 - iii. Save and Save as
- d) Define networking and briefly explain its two components (5 Marks)

QUESTION THREE (20 MARKS)

- a. Computers communicate through three different modes. Briefly explain (6 marks)
- b. Using a suitable diagram explain three types of a database (6 marks)
- c. Explain two major advantage of the following application (8 marks)
 - i. Microsoft word
 - ii. Microsoft Excel
 - iii. Microsoft Access
 - iv. Microsoft PowerPoint

QUESTION FOUR (20 MARKS)

- a) Using a diagram explain three types of network topology (6 marks)
- b) Differentiate between the following (8 marks)
 - (i) Worksheet and workbook
 - (ii) Primary key and foreign key
 - (iii) Auto fill and name box
 - (iv) Compiler and interpreter
- c) Carry out the following arithmetic calculations (6 marks)
 - (i) $FDE9_{16} - 3ACD_{16}$
 - (ii) $1110111_2 + 1111001_2 + 1011111_2$
 - (iii) $E49_{16} + 472_8$

QUESTION FIVE (20 MARKS)

- a) Briefly explain five services offered by operating system (5 marks)
- b) Briefly explain major components of a computer processor. (6 marks)
- c) Outline three symptoms of a computer affected with virus (3 marks)
- d) Explain three ways on how to secure a computer from viruses (3 marks)
- e) State types of file organization system (3 marks)
