



KENYATTA UNIVERSITY
UNIVERSITY EXAMINATIONS 2019/2020
FIRST SEMESTER EXAMINATION FOR THE DEGREE OF BACHELOR OF
SCIENCE IN REAL ESTATE

BRE 411: INFORMATION COMMUNICATION TECHNOLOGY IN REAL ESTATE

DATE: WEDNESDAY, 18TH DECEMBER, 2019

TIME: 11.00 A.M. - 1.00 P.M.

INSTRUCTIONS: Answer Question ONE and any other TWO questions

1. GIS is a software tool which can help an appraiser view, understand, interpret and share data in many ways. The GIS data helps the appraiser understand a property's physical characteristics and overall utility by layering visual data together.
 - (a) Describe the components of a geographic information systems (GIS) (10 marks)
 - (b) Explain how data is stored and accessed in a GIS from a user perspective. (10 marks)
 - (c) Describe a variety of real estate applications that can benefit from the use of GIS (10 marks)
2. (a) Discuss how information and communication technologies change the ways in which individual workers conduct their work in real estate. (10 marks)
(b) Explain the special features of a typical automated rent management system suitable for a firm of estate agency and property management. (10 marks)
3. Discuss the current trends in ICT and their applicability in real estate. (20 marks)
4. (a) Briefly discuss VAL GIS (8 marks)
(b) Briefly discuss how you will use GIS to carry out valuation. (12 marks)

5. A computer-assisted mass appraisal (CAMA) system is an automated system for maintaining property data, valuing property, notifying owners, and ensuring tax equity through uniform valuations. It is composed of several mutual applications that systemically and technically support the execution of evaluation and taxation of real estates. Applications assure effective mass appraisal automated evaluation of real estate entities and their complementary party.

(a) List the CAMA applications.

(5 marks)

(b) Discuss the components of CAMA and how they aid in mass appraisal. (15 marks)