MAASAI MARA UNIVERSITY

REGULAR UNIVERSITY EXAMINATIONS 2018/2019 ACADEMIC YEAR
SECOND YEAR SECOND SEMESTER

SCHOOL OF SCIENCE AND INFORMATION SCIENCES
UNIVERSITY EXAMINATIONS FOR THE DEGREE OF BACHELOR OF COMMERCE

COURSE CODE: BCM 2208
COURSE TITLE: MANAGEMENT INFORMATION

SYSTEMS

INSTRUCTIONS TO CANDIDATES:

Attempt question ONE and any other TWO questions.

This paper consists of 3printed pages. Please turn over.

QESTION ONE (30 MARKS)

(a)   Study the following table containing a sample set of data created in a spreadsheet software. Fill in the table that follows. **(5 marks)**

	A
1	12.8
2	20
3	30.5
4	test
5	A
6	

Formula	Answer
=CountA (A1:A6)	
=Min (A1:A3, 100)	
=Max (A1, A6)	
=Average (A1, A3)	
=Count (A1, A6)	

(b)   Fill in the blanks.   **(5 marks)**

(i)   .... is a system that interacts with its environment.

(ii) ……………………... testing is testing that is conducted at the software developer's site by both the developer and the user or customer.

(iii) ……………………….. is a form of intellectual property, applicable to any expressed representation of a creative work like photography.

(iv) A characteristic of an entity is called ……………………………………………….

(v) ………………………………….. is a collection of related files structured systematically for easy retrieval.

(c) Discuss the general systems theory (GST) and how organizations can relate to its concepts.
(10 marks)

(d) Discuss how organizations can leverage the power of the Internet to meet organizational objectives.
(10 marks)

QUESTION TWO (20 MARKS)
(a) Discuss the importance of feedback mechanisms in organizations.
(10 marks)
(b) The manager in the company that you work for has delegated to you the duty of designing a computer lab for computers. Design a health and safety policy that can be employed in a computer lab.
(10 marks)

QUESTION THREE (20 MARKS)
(a) Discuss different ways of protecting information systems against threats and vulnerabilities in organizations.
(10 marks)

(b) Evaluate how one can use information systems to achieve competitive advantage. Use the Porter's Five Forces Model as a guide. **(10 marks)**

QUESTION FOUR (20 MARKS)

(a)   The conventional systems development life cycle requires the business analyst to follow a sequence of phases during the development and implementation of an information system. This involves people and is described as information system development project. Discuss in detail these steps.

(10 marks)

(b) Digital firms are investing heavily in IT infrastructure. One way is that they are using databases to cater for their data management services. Discuss the pros and cons of using this approach.
   (10 Marks)

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