



**PAN AFRICA CHRISTIAN UNIVERSITY  
-ROY SAMBU-  
END TERM EXAMINATION  
MASTERS ONLINE EXAM**

**DEPARTMENT: BUSINESS  
COURSE CODE: MBA 510  
COURSE TITLE: MANAGEMENT INFORMATION SYSTEMS  
TIME: 2HRS**

**SECTION A: COMPULSORY QUESTION**  
**CASE STUDY**

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The Internet of Things (IoT) is an emerging concept that is currently going through a development and acceptance phase across many industries. Nevertheless, it has already made a considerable impact on many research domains. Particularly, the Internet of Things concept has featured in many Social Science Research papers as well as Business Journals. In these circles, much has been written about technological interconnectedness, social media and the ability of IoT sensors to generate an enormous amount of data. When connected to communication solutions through application programming interfaces that collect and analyze data, this information can enable much better insight on consumer preference leading to more accurate decision-making. Consequently, for the enormous amount of data collected by IOT tools to be handled properly, Management Information Systems are becoming key tools to ensure this data is stored properly, analyzed and used to make better business decisions.

**REQUIRED**

Refer to the above case study to answer the following questions.

- a) Internet of Things (IoT) is an emerging technology that is finding a lot use in modern business. Reveal and discuss at least **five** practical applications of IOT in modern business. **(5 marks)**
- b) Critique the statement that “Information is one of an organization’s most valuable resource” Further provide at least **five** key characteristics that information must possess to be

considered valuable.

**(5 marks)**

**SECTION B: [ANSWER THREE QUESTIONS FROM THIS SECTION]**

**QUESTION TWO**

- a) Identify and describe at least **five** features of a system. **(5 marks)**
- b) Discuss the relevance of Systems Theory to the Manager? **(5 marks)**

**QUESTION THREE**

- a) Reveal at least **five** Administrative Information System and further discuss their function in the organization. **(5 marks)**
- b) Divulge at least **five** factors that stand as barriers to organizations in third world countries from adopting Information Systems. **(5 marks)**

**QUESTION FOUR**

- a) Explain what is an Enterprise Resource Planning (ERP) System also disclosing its advantages as well as its disadvantages. **(5 marks)**
- b) Distinguish between the characteristics of Rational and Non-Rational Decision Making Models. **(5 marks)**

**QUESTION FIVE**

- a) Reveal and discuss at least five business pressures that may cause organizations to invest in Information Systems. **(5 marks)**
- b) Distinguish between the terms Information Technology and Information Systems, in each case providing examples. **(5 marks)**

**QUESTION SIX**

- a) Distinguish and discuss between how you would go through the System Development Life Cycle using both the Waterfall and Agile Information System approaches. **(5 marks)**
- b) A Database (DB) is a structure that can store information about multiple types of entities, the attributes that describe those entities; and the relationships among those entities. Divulge and discuss at least **five** benefits of the database approach. **(5 marks)**

**THE END**