

W1-2-60-1-6

**JOMO KENYATTA UNIVERSITY**

**OF**

**AGRICULTURE AND TECHNOLOGY**

**UNIVERSITY EXAMINATIONS 2014/2015**

**THIRD YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR THE**

**DEGREE OF BACHELOR BUSINESS INFORMATION TECHNOLOGY/ BACHELOR OF BUSINESS AND OFFICE MANAGEMENT**

**BIT 2119:/HBT 2301 MANAGEMENT INFORMATION SYSTEMS**

**DATE: AUGUST 2015 TIME: 2 HOURS**

**INSTRUCTIONS: ANSWER QUESTION ONE AND ANY OTHER TWO QUESTIONS**

**QUESTION ONE (30 MARKS)**

1. Define the following terms: [5 marks]
2. Information system
3. Management information system (MIS)
4. Data
5. Transaction
6. Business process
7. List FOUR benefits accrued from using a supply chain management system. [4 marks]
8. Illustrate how information systems cut across the business/organization

along functional units and the different levels in an organization. [3 marks]

1. Describe the FOUR components of a computer based information system. [4 marks]
2. Using relevant examples, distinguish between operating system

software and application software. [3 marks]

1. Describe TWO types of vulnerabilities to information systems and possible

mitigation measures to guard against them. [4 marks]

**QUESTION TWO (20 MARKS)**

1. With proper examples; explain THREE forms of E-commerce. [6 marks]
2. Describe online transaction processing and batch processing. [4 marks]
3. Name the first THREE stages of e-government, with examples of services

offered, name one government site that is at the third stage. [10 marks]

**QUESTION THREE (20 MARKS)**

1. Demonstrate how organizations can gain competitive advantage through

information system. [10 marks]

1. Explain FIVE benefits of business processing engineering. [10 marks]

**QUESTION FOUR (20 MARKS)**

1. Explain FOUR types of organizational changes enabled by Information

Technology. [8 marks]

1. Explain THREE threats/risks to information system security and

recommendation for each one of them. [6 marks]

1. Explain the value of chain analysis model. [6 marks]