



**MURANGA UNIVERSITY COLLEGE**  
(A constituent College of Jomo Kenyatta University of Agriculture & Technology)

**MAIN CAMPUS**

**ORDINARY UNIVERSITY EXAMINATIONS**

**2015/2016 ACADEMIC YEAR**

**THIRD YEAR FIRST SEMESTER EXAMINATIONS**

**FOR THE DEGREE OF  
BACHELOR OF BUSINESS INFORMATION TECHNOLOGY/BACHELOR OF  
INFORMATION TECHNOLOGY**

**COURSE CODE: HBT 2301**

**COURSE TITLE: MANAGEMENT INFORMATION SYSTEMS**

**DATE: 14<sup>TH</sup> DECEMBER, 2015**

**TIME: 2 hours**

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**INSTRUCTIONS TO CANDIDATES**

Question ONE (1) is (compulsory) AND any other TWO

MRUC observes ZERO tolerance to examination irregularities

This Paper Consists of 2 Printed Pages. Please Turn Over.



**QUESTION ONE**

- a) Elucidate the stated “Transaction Processing Systems (TPS) are the data lifeline of organization”. (5 marks)
- b) With reference to information systems development, explain the concept outsourcing and describe THREE circumstances that favour it in a firm. (7 marks)
- c) Discuss any four systems changeover strategies (8 marks)
- d) Show how biometrics and encryption can enhance information systems security. (6 marks)
- e) Explain how data mining can improve business performance and decision making. (4 marks)

**QUESTION TWO**

- a) The continuing development of technologies increasingly revolutionizing both data and management information systems discuss the potential benefits and dangers from the increasing use of information technologies in business. (10 marks)
- b) Good ergonomic design for information systems considers tools, tasks, workstations and environment in a workplace. Explain these considerations justifying the need for each. (10 marks)

**QUESTION THREE**

- a) Decisions in organizations can be termed as structured, semi-structured or unstructured. Describe the characteristics of each of decision. (6 marks)
- b) Taking the sales and marketing department in an organization as an example, outline relevant decision made at each level stated at (a) above. (4 marks)
- c) Describe the value that an organization like Murang’a University College can get by implementing Enterprise Resource Planning (ERP) systems. (10 marks)

**QUESTION FOUR**

- a) Explore the benefits that are faced by business that has transformed most of their transaction to computer networked platform. (10 marks)
- b) Using relevant examples, explain how an organization can use information systems to lock in customers and suppliers. (4 marks)
- c) With reference to information processing describe THREE key information technological trends that ethical issues, showing how they raise the issues. (6 marks)

