



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

**MAIN CAMPUS**

**SPECIAL/SUPPLEMENTARY 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:**

**TIME:**

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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) Describe the purpose of management information in relation to an organization's functional monitoring and control. (5 marks)
- b) List five features of an Executive Information System. (5 marks)
- c) Compare the terms, 'data', 'information' and 'knowledge'. Show how these are positioned on an *Information Pyramid*. (6 marks)
- a) Using relevant examples differentiate between file management systems and database management systems. (6 marks)
- a) Discuss why knowledge based systems like expert systems are gaining popularity in the developing world suggesting three business application areas for such systems. (8 marks)

**Question TWO**

- a) Give an account of Supply Chain Management (SCM), including the *goals* of this type of management and the causes of *potential problems* when an organization uses SCM. (10 marks)
- b) What are the negative issues associated with acquiring/buying in standard packaged software or 'off-the-shelf' software? (10 marks)

**Question THREE**

- a) Briefly describe the responsibilities of an Information Technology Department when establishing an information system within an organization. (5 marks)
- b) Identify and describe the THREE dimensions of information systems. (9 marks)
- c) Explain THREE advantages and two disadvantages of prototyping while developing a new information system. (6 marks)

**Question FOUR**

- a) Using relevant examples explain how an organizational strategy determines information systems structure (10 marks).
- b) A bank has decided to expand its customer base by use of m-Banking instead of opening very many branches and maintain expensive staff. Explain how such a Strategic Information System could be used to obtain competitive advantage and the advantages that could be achieved. (10 marks)