



MACHAKOS UNIVERSITY COLLEGE

(A Constituent College of Kenyatta University)
University Examinations for 2015/2016 Academic Year

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

**SECOND SEMESTER EXAMINATION FOR DEGREE IN BACHELOR OF SCIENCE
IN INFORMATION TECHNOLOGY**

SIT 200: MANAGEMENT INFORMATION SYSTEM

Date: 1/8/2016

Time: 8:30 – 10:30 AM

INSTRUCTIONS

Answer Question One and Any Other Two Questions

QUESTION ONE (30 MARKS).

- a) A company's ability to preserve tacit knowledge that is embedded in the minds of the experienced employees can be seen as the most important criteria of successful knowledge management systems. Do you agree with this statement? Explain how this is done. (4 marks)
- b) Distinguish between structured and unstructured decisions (4 marks)
- c) Describe the architectural components of the Management Information System.(3 marks)
- d) Discuss why wireless networks are more susceptible to security problems and how businesses can protect them. (5 marks)
- e) Analyze the relationship among ethical, social, and political issues that are raised by information systems. (6 marks)
- f) Assess the challenges of building information systems and management solutions. (4 marks)
- g) Evaluate the role of information systems in today's competitive business environment. (4 marks)

QUESTION TWO (20 Marks).

- a) Describe five technology and business trends that have enhanced the role of information systems in today's competitive business environment. (10 marks)
- b) Name and describe the different levels of I.T Infrastructure (6 marks)
- c) Identify and describe the technology drivers of IT infrastructure evolution (4 marks)

QUESTION THREE (20 Marks).

- a) Discuss the benefits and challenges of enterprise systems and explain why a firm would want to build one. (6 marks)
- b) Describe levels of management served by information systems. (9 marks)
- c) What are the Moore's Law and the law of Mass Digital Storage? What aspects of infrastructure change do they help explain? (5 marks)

QUESTION FOUR (20 Marks).

- a) Explain Nolan's Stages of IS Growth (9 marks)
- b) Explain the stages of the Information Technology Planning (6 marks)
- c) Highlight the issues in IT planning (5 marks)

QUESTION FIVE (20 Marks).

- a) Information systems (IS) have always been regarded as enablers for organizational transformation in ways that systems help in jobs automation, information processing and provide useful input for decision making. Discuss this statement in reference to decision making process in an organization. (10 marks)
- b) Although some companies find difficulties in justifying their information systems Investment other companies reported significant benefits from their IS projects. Discuss the various techniques that an organization can use to justify an investment in information systems. (10 marks)