



# MACHAKOS UNIVERSITY

University Examinations for 2021/2022

**SCHOOL OF ENGINEERING AND TECHNOLOGY**

**DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY**

**THIRD YEAR SECOND SEMESTER EXAMINATION FOR**

**BACHELOR OF SCIENCE (MATHEMATICS AND COMPUTER SCIENCE)**

**BACHELOR OF SCIENCE (INFORMATION TECHNOLOGY)**

**SIT 307: INFORMATION SYSTEMS MANAGEMENT**

**SCO 408: MANAGEMENT INFORMATION SYSTEM**

**DATE:**

**TIME:**

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**INSTRUCTIONS: Answer Question ONE and other TWO Questions**

**QUESTION ONE (COMPULSORY) (30 MARKS)**

- a) Information is an important resource for both individuals and organizations, but not all information is useful. Describe this statement in business perspective. (4 marks)
- b) Describe three services that a business can benefit from cloud computing. (6 marks)
- c) Briefly explain two types of information systems used in different level of management groups. (4 marks)
- d) Discuss TWO benefits of collaboration in an organization. (4 marks)
- e) Before the implementation of an information system, one needs to evaluate organizational features that might affect or be affected by the system. Discuss the validity of this statement. (6 marks)
- f) Explain the terms Responsibility, Accountability and Liability as required in ethics. (6 marks)

**QUESTION TWO (20 MARKS)**

- a) Businesses can tap into advancements in IT infrastructure to grow their business. Explain FOUR advancements in relation to business. (8 marks)
- b) In line with existing business objectives discuss how IT can help organization realize its objectives. (8 marks)
- c) Define the term cookie and explain how it helps organizations. (4 marks)

### **QUESTION THREE (20 MARKS)**

- a) Owing to the stiff competition in business, an organization is considering information system to counter the competition. Explain how the company can leverage the power of Information system to achieve that goal. (8 marks)
- b) Discuss FOUR ethical principles to consider when using information systems. (8 marks)
- c) Every organization should be concerned with the activities taking place in the surrounding. Explain two elements that they should consider in the environment. (4 marks)

### **QUESTION FOUR (20 MARKS)**

- a) Explain FOUR issues raised by Information Systems in business and society. (8 marks)
- b) Organizations have continuously consumed information technology owing to several benefits brought about by IT evolutions. Using relevant examples discuss four drivers of this evolution. (8 marks)
- c) Giving examples discuss the Human-Computer “2+2=5” Synergy Rule. (4 marks)

### **QUESTION FIVE (20 MARKS)**

- a) Discuss FOUR benefits of in-house information System Development. (8 marks)
- b) An organization that you work for is considering cloud computing. As an expert in management information system, explain salient feature of cloud that they will benefit from. (8 marks)
- c) Define the term strategy and list two examples of how information system can help management achieve strategic objectives. (4 marks)