

CHUKA



UNIVERSITY

UNIVERSITY EXAMINATIONS

**FIRST YEAR EXAMINATION FOR THE AWARD OF DEGREE OF MASTER OF BUSINESS ADMINISTRATION AND MASTER OF SCIENCE IN PROCUREMENT**

**MBAD 861: COMPUTING FOR MANAGEMENT**

**STREAMS: MBAD (ODEL) Y1S1**

**TIME: 3 HOURS**

**DAY/DATE: WEDNESDAY 16/04/2025**

**8.30 A.M. – 10.30 A.M.**

**INSTRUCTIONS:**

1. Answer question **ONE** SECTION A and any other **TWO** questions IN SECTION B
2. Marks are awarded for clear and concise answers.

**SECTION A**

**QUESTION ONE [30 MARKS]-Compulsory**

- a) i) Using an example describe an Information System. (2 marks)  
ii) Explain two fundamental roles of Information System in business organization. (4 marks)
- b) Briefly discuss the various stages in System Development Process. (8 marks)
- c) Describe the stages in knowledge management in value chain. (8 marks)
- d) Explain the difference between business continuity planning and disaster recovery planning. (4 marks)
- e) Explain two ways in which intellectual property is protected. (4 marks)

**SECTION B (30 MARKS) CHOOSE ANY TWO QUESTIONS**

**QUESTION TWO [15 MARKS]**

Using relevant diagrams and examples describe the following terms: (6 marks)

- i) System
  - ii) Information System
  - iii) Organization
- a) When building a Management Reporting System (MRS), it is recommended that a phased approach, with prototyping, is adopted by the development team. Define what is meant by the term prototyping. (4 marks)
  - b) “It is often said that the application of Information Technology “flatten” organization structure.” Justify this statement (5 marks)

**QUESTION THREE [15 MARKS]**

- a) An MIS feasibility study considers the implementation of an MIS from several perspectives, one of which is economic.
  - i. Explain the role of a feasibility study within MIS developments. (2 marks)
  - ii. With the aid of suitable examples, describe the process you would adopt to assess the economic feasibility of an MIS project. (2 marks)
  - iii. Explain THREE perspectives, other than economic, that should be considered as part of an MIS feasibility study. (6 marks)
- b) Information systems used at different management levels differ in their nature. With an aid of a diagram, explain the types of Information System and its levels. (5 marks)

**QUESTION FOUR [15 MARKS]**

- a) Explain the following:
  - i) Denial-of-Service Attacks
  - ii) Spoofing and sniffing (4 marks)
- b) Discuss the following tools and technologies for safeguarding information resources:
  - i) Biometric Authentication. (2 marks)
  - ii) Encryption (2 marks)
  - iii) Firewalls. (2 marks)
- c) Explain how Management Information System auditing promotes security and control. (5 marks)

**QUESTION FIVE [15 MARKS]**

- a) Distinguish between the following terms: (4 marks)
    - i) Peer to Peer network and Client-server network.
    - ii) Local Area Networks and Wide Area Networks.
  - b) With an aid of a diagram, describe three types of Local Area Network topologies. (6 marks)
  - c) A manager has recently been transferred to head office. In the few months since his arrival there has been a decline in morale and productivity in that function. Using concepts from the behavioral sciences, explain five possible reasons for such a decline. (5 marks)
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