



JARAMOGI OGINGA ODINGA UNIVERSITY OF SCIENCE AND TECHNOLOGY

SCHOOL OF INFORMATICS AND INNOVATIVE SYSTEMS

**UNIVERSITY EXAMINATIONS FOR THE DEGREE OF BACHELORS OF
EDUCATION WITH I.T**

2NDYEAR, 1ST SEMESTER 2016/17 ACADEMIC YEAR

NAMBALE CAMPUS

COURSE CODE: SCS 214

COURSE UNIT: MANAGEMENT INFORMATION SYSTEM

EXAM VENUE: NAMBALE CAMPUS

DATE: DECEMBER, 2016

TIME: 2 HOURS

Instructions

1. Answer question one (compulsory) and any other two questions
2. Candidates are advised not to write on the question paper
3. Candidates must hand in their answer booklets to the invigilator while in the examinations room

QUESTION ONE (30 MARKS)

- a) Define Management Information System (2marks)
- b) Explain any THREE roles of Information systems in an organization. (3marks)
- c) Describe the information systems that would support the structured, semi-structured and unstructured decisions by the various levels of management in organizations (6marks)
- d) You are required to prepare a report on the composition of an information system to new employees of your company. Describe the contents your report? (9marks)
- e) Identify key components of a security policy that can be deployed in an organization (10 Marks)

QUESTION TWO (20 MARKS)

- a) Files need to be properly arranged and organized to facilitate easy access and retrieval of the information. Explain FOUR types of file organizations (4Marks)
- b) Explain any THREE types of new Information System conversion in an organization (6marks)
- c) Passwords are the most common security mechanisms. What format rules are usually prescribed for passwords to make them a strong security mechanism? (4 Marks)
- d) The relational database organization has many advantages over the hierarchical and network database models. Explain (6marks)

QUESTION THREE (20 MARKS)

- a) As the chief information Officer in your firm. You are required to establish security controls in the information systems in the firm. Briefly explain FOUR types of controls you would suggest to be implemented in your firm. (8Marks)
- b) Explain the meaning of System Analysis and Design (2 marks)
- c) According the French management theorist, Henri Fayol, managers perform five major functions. Explain these functions (10 marks)

QUESTION FOUR (20 MARKS)

- a) While explaining the Data integrity an employee missed mentioning the importance of data security .Explain why Security in database systems is important to an organization under your management (10 marks)
- b) When confronted with a situation that seems to present ethical issues, one should analyze it. Describe the five-step process that you may apply in this case. (10 marks)

QUESTION FIVE (20 MARKS)

- a) What higher-order values should inform your judgment when faced with an ethical decision making within a digital firm? (8 marks)
- b)You are a newly employed data administrator in your company.What would be your job description? (6marks)
- c) Briefly describe the Influence of Management Level on Information Source and Form (6marks)