



MACHAKOS UNIVERSITY

University Examinations for 2021/2022

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FOURTH YEAR SECOND SEMESTER EXAMINATION FOR

BACHELOR SCIENCE COMPUTER SCIENCE

SCO 423: INFORMATION SYSTEM AUDIT

DATE:

TIME:

INSTRUCTIONS: Answer Question ONE and other TWO Questions

QUESTION ONE (COMPULSORY) (30 MARKS)

- a) Giving examples discuss two objectives of IS audit. (4 marks)
- b) What do you understand by the term audit program (2 marks)
- c) Differentiate between IS security policy and IS standards. (4 marks)
- d) Explain the importance of physical security in an IS audit program. (2 marks)
- e) Explain four guideline to achieving granularity (8 marks)
- f) Discuss the importance of computer forensics. (4 marks)
- g) Explain THREE humanistic motivation of auditors (6 marks)

QUESTION TWO (20 MARKS)

- a) Having completed the course in Information System audit you are requested to develop an Information Security policy for an upcoming microfinance. Explain to the management the contents of the policy. (8 marks)
- b) Outline and discuss risks attributed to an information system project management audit. (8 marks)
- c) Explain TWO benefits of Data Protection Act of Kenya 2019 to users of information systems in the country. (4 marks)

QUESTION THREE (20 MARKS)

- a) Discuss the importance of an audit program during information system audit. (8 marks)
- b) Explain challenges facing contemporary auditing practice. (8 marks)
- c) List and explain TWO ISO/EC standards and their area of application. (4 marks)

QUESTION FOUR (20 MARKS)

- a) With the help of a diagram, explain at least FOUR components of integrated security in information systems. (8 marks)
- b) Giving relevant examples discuss THREE international Acts used in information systems. (6 marks)
- c) Explain THREE triggers of information system audit. (6 marks)

QUESTION FIVE (20 MARKS)

- a) As an auditor explain to the management of an organization the reason for customization of program development. (8 marks)
- b) Discuss the relationship between information system audit and information system security. (6 marks)
- c) Recommend THREE sources of IS auditor skills to perform a successful audit. (6 marks)