



MACHAKOS UNIVERSITY

University Examinations for 2018/2019

SCHOOL OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY

FOURTH YEAR SPECIAL/SUPPLEMENTARY EXAMINATION FOR

BACHELOR OF SCIENCE (COMPUTER SCIENCE)

SCO 423: INFORMATION SYSTEM AUDIT

DATE: 27/9/2019

TIME: 11.00-1.00 PM

INSTRUCTIONS

Answer **question ONE** and any other **TWO** questions.

QUESTION ONE (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) Computer forensics is important. Discuss (4 marks)
- g) Explain THREE humanistic motivation of auditors (6 marks)

QUESTION TWO (20 MARKS)

- a) A company has contracted a consultant to develop a program and implemented. As an IS auditor you recommended customization of the program. Support your recommendation. (10 marks)
- b) It is difficult to separate Information system audit and information system security. Discuss. (6 marks)
- c) Recommend TWO sources of IS auditor skills to perform a successful audit. (4 marks)

QUESTION THREE (20 MARKS)

- a) With help 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) Categorize IS controls into 3 categories as used in IS audit. (6 marks)

QUESTION FOUR (20 MARKS)

- a) During an audit task the auditor is required to have an audit program. Discuss (6 marks)
- b) Explain challenges facing contemporary auditing practice. (10 marks)
- c) What is integrated information system security (4 marks)

QUESTION FIVE (20 MARKS)

- a) Having completed the course on Information System audit you are requested to develop an Information Security policy for an upcoming microfinance. Explain to the acting manager the contents of the policy. (10 marks)
- b) Outline and discuss risks attributed to an information system project management audit. (10 marks)