



THE MOMBASA POLYTECHNIC UNIVERSITY COLLEGE

(A Constituent College of JKUAT)

(A Centre of Excellence)

Faculty of Engineering & Technology

**DEPARTMENT OF COMPUTER SCIENCE & INFORMATION
TECHNOLOGY**

**UNIVERSITY EXAMINATION FOR:
BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY
(BSC.IT S10)**

BIT 2318: INFORMATION SYSTEM AUDIT

**END OF SEMESTER EXAMINATION
SERIES: DECEMBER 2012
TIME: 2 HOURS**

Instructions to Candidates:

You should have the following for this examination

- *Answer Booklet*

This paper consist of **FIVE** questions

Answer question **ONE (COMPULSORY)** and any other **TWO** questions

Maximum marks for each part of a question are as shown

This paper consists of **TWO** printed pages

Question One (Compulsory)

- a) Define the term “Information System Audit” (2 marks)
- b) What do you understand by the term ISACA? List the 11 ISACA audit standards. (12 marks)
- c) IS Auditors may be engaged in a variety of audits. Briefly describe at least **SIX** types of audit. (12 marks)

d) Briefly explain the Sarbanes–Oxley Act (SOX) (4 marks)

Question Two

a) Briefly describe the audit process. Use a diagram to simplify the explanation. (15 marks)

b) How should an auditor develop and implement a risk-based audit strategy. (5 marks)

Question Three

a) What do you understand by the term IT Governance? How is it related to strategy and structure? (4 marks)

b) What do you understand by the term IT Governance Framework? What issues does the frame work address? (6 marks)

c) From an IT governance perspective describe the auditors task. (10 marks)

Question Four

a) Describe the basic elements of computer architecture. (6 marks)

b) A computer network is established using a variety of devices. Briefly explain at least **THREE** networking devices and **THREE** internetworking devices explaining the importance of having a firewall. (10 marks)

c) Computer networks which are complex require constant monitoring. Briefly describe at least **TWO** typical monitoring tools. (4 marks)

Question Five

Using a well labelled diagram, briefly describe the business continuity best practices and compare this with ISACA knowledge areas. (20 marks)