



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**
Faculty of Computing and Informatics

Computer Science Department

QUALIFICATION: BACHELOR OF COMPUTER SCIENCE (SYSTEMS ADMINISTRATION)	
QUALIFICATION CODE: 07BACS	LEVEL: 6
COURSE: SYSTEMS AUDIT	COURSE CODE: SAU620S
DATE: JANUARY 2019	SESSION: 2
DURATION: 2 Hours	MARKS: 60

SUPPLEMENTARY /SECOND OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	Dr Fungai Bhunu Shava
MODERATOR:	Mrs Mercy Chitauro

THIS QUESTION PAPER CONSISTS OF 2 PAGES
(Excluding this front page)

INSTRUCTIONS

1. Answer ALL the questions.
2. Write clearly and neatly.
3. Number the answers clearly.
4. Do not use additional materials
5. Cross out any work which should not be marked.
6. No pencil work allowed except for diagrams where requested.

Use the scenario below to answer all the questions where reference to it is made. The answers should be relative to the context.

Scenario: You are a system administrator of TechCamp CC, a technology provisioning company in Namibia based in Tsumkwe. The organisation provides technical support, products and audit services to their companies. To complement your 50 usual IT staff during pick seasons, you normally hire from a pool of 30 consultants on a rotational basis. Just like any compliant enterprise, TechCamp CC is required to have annual audits of their operations. You have been told by the Director of ICT that an audit company has been appointed to come and audit the organisational IT infrastructure. In preparation for this, you have been tasked to evaluate your IT universe. In the process you realised that your Web server has been defaced and your complementary IT staff's account are active and have administration rights on the systems. Disgruntled consultants are known to disrupt business services via Internet services.

1. Introduction to Systems Audit **{10 Marks}**
 - a. Using TechCamp CC as an example define Internal Information Systems auditing. [5 Marks]
 - b. What would have been some of your recommendations after your mock Internal Audit? [3 Marks]
 - c. In what ways is Systems Audit related to System Administration? [2 Marks]

2. IT Audit Process: Technology and audit **{8 Marks}**
 - a. Many variations of the audit processes exist. Name the stages of the IT Audit process of choice in order and briefly describe the first step. [5 Marks]
 - b. The audit program provides for the collection of what audit evidence? [3 Marks]

3. Standards and Guidelines for IS auditing **{7 Marks}**
 - a. What are elements of a code of ethics? [3 Marks]
 - b. In what ways are guidelines important to you as an auditor? [4 Marks]

4. Information systems/information technology governance **{10 Marks}**
 - a. An annual audit plan can be simplified into mandatory audit activities and discretionary audit activities, explain and differentiate between the two types of activities in TechCamp CC's environment. [4 Marks]
 - b. Giving examples of each, differentiate between two major classifications of Project lifecycle models (predictive and adaptive). [3 Marks]

- c. Using the scenario what would be focus areas of IT management? [3 Marks]
5. Audit and development of application controls {8 Marks}
- a. In your organisation TechCamp CC what is the importance of general controls review/ audit? [4 marks]
- b. Each database in IDEA has several properties associated with it accessible from the Properties window. List and explain 2 properties of choice. [4 Marks]
6. Information Technology Service Delivery and Support. {6 Marks}
- a. What are the risk controls in changing IT infrastructure at TechCamp CC. Specify 3 only. [3 Marks]
- b. Using TechCamp CC as an example, explain how system destruction in the event of failure can be minimised in technical infrastructure? [3 Marks]
7. Auditing UNIX and Windows. {5 Marks}
- a. How is the UNIX security achieved? [2 Marks]
- b. At TechCamp, what 3 elements should you have on a Window Security Audit Checklist. [3 Marks]
8. Investigating IT fraud {6 Marks}
- a. What is the main objective of pre-incident preparation at TechCamp CC? [2 Marks]
- b. Supposing an employee within TechCamp CC is suspected of committing fraud, as a System Auditor how would you switch off the computer system that is suspected to have been used to commit a fraud? Why? [2 Marks]
- c. Give any two categories of computer frauds. [2 Marks]

END!