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"Investing in Africa's Future"

COLLEGE OF ENGINEERING AND APPLIED SCIENCES

NCIS309: INFORMATION SYSTEMS AUDIT AND CONTROL

END OF FIRST SEMESTER EXAMINATIONS

NOVEMBER 2025

LECTURER: MR T.S. MUWANI

TIME: 3 HOURS

INSTRUCTIONS

1. Answer any **five** questions.

2. Each question carries 20 marks.

3. Start **each** question on a new page in your answer booklet

4. Credit will be awarded for logical, systematic and neat presentations

Question 1
Critically argue for and against the practice of providing the auditee with the detailed audit program before the fieldwork begins. [20 marks]

Question 2
Using a practical example, distinguish between IT Governance and IT Management, and explain how a failure in governance can lead to inefficiencies in management. [20 marks]

Question 3
A large financial institution has a mature Information Technology Infrastructure Library (ITIL)-based service management process but has experienced several major project failures due to unclear business objectives. Using governance concepts, diagnose the likely root cause of this problem. [20 marks]

Question 4
Analyse the risks an organization faces when it proceeds with a custom software development project without a formally defined and signed-off Requirements Specification document.

[20 marks]

Question 5
Outline a set of controls an auditor would expect to see governing the data migration process to ensure completeness, accuracy, and integrity of the data being moved to the new system.

[20 marks]

Question 6
Critically analyse the statement: "*A strong firewall is the most important control for protecting information assets.*" Discuss the limitations of this view and argue for a more holistic, defence-in-depth approach to security.

[20 marks]

Question 7
Compare and contrast the roles of Preventive, Detective, and Corrective controls in the context of access management. Provide a specific example of each and explain why an auditor would test for the presence of all three types.

[20 marks]

END OF EXAMINATION