



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

Faculty of Computing and Informatics

Informatics Department

QUALIFICATION : BACHELOR OF INFORMATICS ; BACHELOR OF COMPUTER SCIENCE ; BACHELOR OF COMPUTER SCIENCE (CYBER SECURITY)	
QUALIFICATION CODE: 07BAIT; 07BCMS; 07BCCY	LEVEL: 7
COURSE: ETHICS FOR COMPUTING	COURSE CODE: EFC621S
DATE: NOVEMBER 2025	SESSION: NOVEMBER 2025
DURATION: 3 HOURS	MARKS: 90

FIRST OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER(S)	Ms Sinte Mutelo
MODERATOR:	Prof Jude Osakwe

THIS QUESTION PAPER CONSISTS OF 3 PAGES

(Including this front page)

Instructions for the candidate

1. Answer **ALL** questions.
2. Write clearly and neatly
3. Number the answers

PERMISSIBLE MATERIALS

1. Examination Paper
2. Examination Script

QUESTION 1 [65 marks]

- 1.1 Define ethics. [2 marks]
- 1.2 Discuss six concerns of information technology ethics. [18 marks]
- 1.3 Discuss five key elements of professional codes of conduct. [5 marks]
- 1.4 Ethical frameworks [lenses] help you spot and identify ethical issues. Briefly explain five frameworks that can help you spot issues in your organization. [15 marks]
- 1.5 Discuss what the digital divide is and what evidence of digital divide at global and social level there is. [10 marks]
- 1.6 List five examples of ethical challenges in Computing. [5 marks]
- 1.7 Explain any five causes of software failures. [10 marks]

QUESTION 2: STRUCTURED QUESTIONS [15 marks]

- 2.1 What relationships must an IT employee manage, and what key ethical issues can arise in each? [5 marks]
- 2.2 Computing laws encompass various legal frameworks that govern the use, development and distribution of technology. Key areas include: [10 marks]

QUESTION 3: SCENARIO BASED QUESTION [10 marks]

E-Government portal and data privacy

The Namibian Government has recently expanded its e-Government services by launching an online portal where citizens can apply for national documents such as ID cards, driver's licenses and social grants. The portal was developed by a local IT company in partnership with a foreign software provider.

During the first year of operation, concerns were raised that citizens' personal information, including national ID numbers, addresses, and financial details were stored on servers located outside Namibia. Some IT staff also discovered that the system had weak password protection, making it vulnerable to hacking.

A Namibian civil society group argued that this violated citizens' right to privacy and national data sovereignty. Meanwhile, the IT company defended its decision, saying that using foreign servers reduced costs and improved efficiency.

3.1 Identify three key ethical issues raised by the e-Government portal case. Relate your answer to at least two ethical principles relevant to computing. [6 marks]

3.2 Discuss two potential risks of storing Namibian citizens' personal data on foreign servers. How might these risks impact individuals in the country as a whole? [4 marks]

End of Question Paper