



PAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY

QUALIFICATION: BACHELOR OF INFORMATICS; BACHELOR OF COMPUTER SCIENCE; BACHELOR OF COMPUTER SCIENCE (CYBER SECURITY)	
QUALIFICATION CODE: 07BAIT; 07BCMS; 07BCCY	LEVEL: 6
COURSE: ETHICS FOR COMPUTING	COURSE CODE: EFC621S
DATE: DECEMBER 2025	SESSION: DECEMBER 2025
DURATION: 3 HOURS	MARKS: 80

SUPPLEMENTARY/SECOND OPPORTUNITY EXAMINATION QUESTION PAPER	
EXAMINER:	Ms. Sinte Mutelo
MODERATOR:	Prof Jude Osakwe

**THIS QUESTION PAPER CONSISTS OF 3 PAGES
(Including this front page)**

INSTRUCTIONS:

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

PERMISSIBLE MATERIALS:

- 1. Examination paper.**
- 2. Examination script.**

QUESTION 1**[30MARKS]**

1.1 Using examples differentiate the following terms

[6 marks]

- a. Ethics and Law
- b. Copyright and Patent
- c. Justice and Rights

1.2 Ethical consideration in Computing help to:

[5 marks]

1.3 Discuss five key elements of professional codes of conduct

[5 marks]

1.4 What is the best practice for ethical monitoring

[5 marks]

QUESTION 2: STRUCTURED QUESTION**[30MARKS]**

2.1 Identify and list seven components of the ethical framework that computing professionals can use to navigate ethical dilemmas.

[5 marks]

2.2 What relationships must an IT employee manage, and what key ethical issues can arise in each?

[10 marks]

2.3 Consider the following acts and state whether it is ethical or unethical

[5 marks]

- a. You are sitting around friends and one sitting next to you stands to attend to something. You start browsing on their device and stop when they come back . [1 mark]
- b. Requesting to use your neighbours wifi connection to access one of your class. They give you the credentials and then you continue using the details to download movies for the rest of the semester. [1 mark]
- c. Installing Windows OS on a personal computer using software provided at your work place. [1 mark]
- d. Inspecting, modifying, downloading, copying open-source code programs from any source without authorization from the owner. [1 mark]
- e. I added a backdoor to the software so I can access user data anytime, but no one will ever know. [1 mark]

2.4 List and discuss key ethical issues in artificial intelligent (AI)

[10 marks]

QUESTION 3: SCENARIO BASED QUESTIONS

[20 MARKS]

AI in Recruitment at a Namibian Bank

A large commercial bank in Namibia has introduced an Artificial Intelligence (AI)-driven recruitment system to shortlist applicants for graduate trainee positions. The system analyses CVs, academic records, and online activity of applicants.

Within six months, complaints arose from graduates in rural areas who claimed they were unfairly excluded, as the system seemed to favour candidates with strong internet presence and experience in urban-based institutions. Some also argued that the system discriminated against those who did not have a significant digital footprint.

The bank's HR manager defended the system, stating that it increased efficiency, reduced human bias, and saved costs. However, critics argued that the bank was over-reliant on algorithms that might embed hidden biases and exclude deserving candidates.

3.1: Identify three ethical issues arising from the bank's use of AI in recruitment. Relate your answer to relevant ethical principles or codes of conduct in computing. [6 marks]

3.2: Analyse how the AI recruitment system could unintentionally disadvantage applicants from rural Namibia. What broader social or ethical concerns does this raise? [4 marks]

3.3: Recommend two strategies the bank could adopt to ensure fairness and transparency in its AI-driven recruitment process. Justify your recommendations. [10marks]