



ZIMBABWE

**MINISTRY OF HIGHER AND TERTIARY EDUCATION,
INNOVATION, SCIENCE AND TECHNOLOGY
DEVELOPMENT**

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL DIPLOMA

IN

INFORMATION TECHNOLOGY

SUBJECT: Cybersecurity and Ethics

PAPER NO: 553/18/S15

DURATION: 3 Hours

NOVEMBER / DECEMBER 2025 EXAMINATION

REQUIREMENTS

Answer booklet

INSTRUCTIONS TO CANDIDATE

Answer all questions.

QUESTION 1

- a) You have been criticised for using ethical egoism everytime you make your decisions. Defend your position of using this approach. (10 marks)
- b) Explain the importance of aligning security efforts to the overall business objectives. (5 marks)
- c) You have been tasked to lead a team of IT auditors in audit planning, outline the activities you would undertake during this process. (5 marks)

QUESTION 2

- a) You have been hired to carryout a physical security vulnerability assessment. Explain how you would execute this task. (10 marks)
- b) As a newly recruited cyber security professional in the Banking Sector, explain five (5) forms of cybercrime you have to guard against. (10 marks)

QUESTION 3

- a) You are in the process of developing your organisation's security policy. Outline the issues that should be addressed in this policy. (10 marks)
- b) Justify why whistle blowing should be permitted in a civilised society. (10 marks)

QUESTION 4

- a) Most musicians have attributed violation of their copyrights to technological advancement. Explain how technological advancement has led to this scenario. (10 marks)
- b) Open source software has had some effects on the market of proprietary software. Describe how it has affected this market. (10 marks)

QUESTION 5

- a) Your company has just started implementing the ITIL framework. Justify why this move has been taken. (10 marks)
- b) Your audit team has resorted to using Computer Assisted Audit Techniques every time you carryout IT Audit. Explain why you have chosen to take that route. (10 marks)

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