



ZIMBABWE

MINISTRY OF HIGHER AND TERTIARY EDUCATION

**HIGHER EDUCATION EXAMINATIONS COUNCIL
(HEXCO)**

NATIONAL CERTIFICATE

IN

INFORMATION TECHNOLOGY

SUBJECT: Information Technology Concepts

PAPER NO: 317/S01

OCTOBER/NOVEMBER 2012 EXAMINATION

REQUIREMENTS

INSTRUCTIONS TO CANDIDATE

Answer ALL questions

This paper consists of 3 printed pages

[illegible]

- (a) In a Data Processing department, what are the typical duties of the following personnel.
- (i) systems analyst (5 marks)
 - (ii) programmer (5 marks)
 - (iii) computer operator (5 marks)
- (b) List any five security measures you can use on your personal computer. (5 marks)

Briefly explain the following terms as they are used in data communication and networking.

- | | | |
|-----|--------------------|-----------|
| (a) | packet switching | (5 marks) |
| (b) | full duplex | (5 marks) |
| (c) | network topology | (5 marks) |
| (d) | transmission media | (5 marks) |

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2000

482

JRL note
hardware & software

Surge protector.

Uninterrupted
Natural hazards
F. natural
software
hardware.

Security

$$\begin{array}{r} 64 \\ \times 8 \\ \hline \end{array}$$

bus.
ring.



terminal.