



THE COPPERBELT UNIVERSITY

JANUARY, 2014 - SESSIONAL EXAMINATIONS

BF 240 DATA PROCESSING

TIME ALLOWED: THREE HOURS

INSTRUCTIONS:

- i) Maximum marks available – 100**
- ii) There are SIX (6) questions in this paper**
- iii) Answer any FIVE (5) questions**
- iv) All questions carry equal marks(20 marks)**

- Q 1 a) Describe atleast eight (8) elements of Commerce. **[8 marks]**
- b) Give two alternative definitions of e-Commerce. **[4 marks]**
- c) Briefly discuss the following forces behind E-Commerce: **[8 marks]**
- Q 2 a) The CPU is considered as the brain of the computer. Briefly discuss what this statement entails. **[4 marks]**
- b) State and briefly discuss four (4) common features of spreadsheet programs such as Microsoft Excel. **[8 marks]**
- c) State and discuss four (4) primary tasks of most Database Management Systems (DBMS) packages. **[8 marks]**
- Q 3 a) Briefly state and discuss four (4) ways in which a business or an organisation could be structured (departmentalisation). **[4 marks]**
- b) Briefly state and discuss four (4) of the five functional areas in which most IT departments are organized. **[8 marks]**
- c) One of the ways to categorize security controls is taxonomy based on what the control does (verb). State and briefly discuss four (4) out of the five common categories for this taxonomy. **[8 marks]**
- Q 4 a) Define the following Information system terminologies. **[4 marks]**
- b) Briefly discuss the analysis phase of the System Development Life Cycle (SDLC). **[8 marks]**
- Q 5 a) Define the following Intellectual Property Rights Terminologies. **[6 marks]**
- b) Briefly discuss the following Domains of ICT ethics and state the ethical standards for each. **[8 marks]**
- Q 6 b) Security controls are measures taken to safeguard an information system from attacks against confidentiality, integrity and availability (CIA). Discuss the statement by highlighting the effects of the attacks on CIA. **[6 marks]**

- c) Popular word processing packages include WordPerfect, MS word, MacWrite etc. These word processing packages allow users to do the following interesting features. State and briefly describe six (6) of these features. **[6 marks]**

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