INTRODUCTION TO COMPUTERS (BBIT 111) (DBIT 120) (CISY 101) (DCIS 101) 2ND TRIMESTER 2014

**KENYA METHODIST UNIVERSITY**

**END OF 2'***ND '***TRIMESTER 2014 (SB) EXAMINATION**

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| **FACULTY** |  | : | EDUCATION AND SOCIAL SCIENCES | |
| **DEPARTMENT** | | | : | EDUCATION |
| **UNIT CODE** |  | : | BBIT 111/DBIT 120/CISY 101/DCIS 101 | |
| **UNIT TITLE** | | | : | INTRODUCTION TO COMPUTERS |
| **TIME** |  |  | : | 2 HOURS |

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| ***INSTRUCTIONS:*** | Answer Question ONE and any Other TWO |

**Question One**

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| * That is the purpose of ALU in the CPU? | | |  |  |  | (2marks) |
| * What is the difference between PROM and E-PROM? | | | | |  | (2marks) |
| * What are the advantages of the GUI operating system over command driven operating system? |  |  |  |  |  | (4marks) |

* What is the role of utilities as a sub-component of operating system?

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|  |  |  |  |  |  |  |  |  |  | (2marks) |
| * Differentiate the star and ring topologies are a means of building computer networks. | | | |  |  |  |  |  |  | (4marks) |

* What is a search engine and how can a search be done effectively?

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* Mention TWO desktop applications and how they are beneficial?

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|  | |  |  |  | (4marks) |
| * Mention TWO security threats to data and information and how they can be avoided or prevented. |  |  |  |  | (4marks) |
| * What is a spyware and what does it do to a computer? | | | |  | (3marks) |

**Question Two**

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| * What does the term electronic data interchange (EDI) mean? How is EDI the foundation of E-business? |  |  |  |  |  | (6marks) |
| * What are the benefits of information systems in organizations? Explain with different types of IS. |  |  |  |  |  | (14marks) |

**Question Three**

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| * Explain how data communication takes place in a computer network. Use the concept of protocols to explain your answer. |  | (8marks) |

* Explain the four data transmission media below and say their main strengths.

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| i) | Coaxial cables | | | | | | |
| ii) | Twisted pair | | | | | | |
| iii) | microwaves/wireless media |  | | | | | |
| iv) | Fibre optics |  |  |  |  |  | (12marks) |

**Question Four**

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| * What is the difference between computer crime and computer abuse. Give examples? |  |  |  |  |  |  |  | (4marks) |

* What are the major functions of the following software;

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| i) | | | Operating systems |  |  |  |  | | | | | (4marks) | |
| ii) | Word Processor |  |  | | | | |  |  |  | (4marks) | |  | |
| iii) | | Spread sheets |  | | | | |  |  |  |  | | (4marks) | |
| iv) | Databases. |  |  | | | | |  |  |  |  | | (4marks) | |

[Categories](http://online.kemu.ac.ke/kemuwiki/index.php?title=Special:Categories): [INTRODUCTION TO COMPUTERS](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:INTRODUCTION_TO_COMPUTERS&action=edit&redlink=1) | [(BBIT 111)](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:(BBIT_111)&action=edit&redlink=1) | [(DBIT 120)](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:(DBIT_120)&action=edit&redlink=1) | [(CISY 101)](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:(CISY_101)&action=edit&redlink=1) | [(DCIS 101)](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:(DCIS_101)&action=edit&redlink=1) | [2ND TRIMESTER 2014](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:2ND_TRIMESTER_2014&action=edit&redlink=1)