INTRODUCTION TO INFORMATION SYSTEMS (MISC 116) (BBIT 111) (CISY 101) (DBIT 120) (DCIS 101) 3RD TRIMESTER 2014

**KENYA METHODIST UNIVERSITY**

**END OF 3'***rd '***TRIMESTER 2014 (PT) EXAMINATION**

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| **FACULTY** | |  | : | COMPUTING & INFORMATICS |
| **DEPARTMENT** | | | : | COMPUTER SCIENCE AND BUSINESS |
|  |  |  |  | INFORMATION |
| **UNIT CODE** | |  | : | MISC 116/BBIT 111/CISY 101/DBIT 120/DCIS 101 |
| **UNIT TITLE** | | | : | INTRODUCTION TO INFORMATION SYSTEMS |
| **TIME** |  |  | : | 2 HOURS |

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**INSTRUCTIONS**

*Answer question one and any other two questions*

**Question One**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| * Explain three desirable characteristics of information used in decision making. | | | |  |  |  |  |  |  |  |  |  | (6 Marks) |
| * Explain four factors that influence the effectiveness and efficiency of information systems. | | | | | |  |  |  |  |  |  |  | (8 Marks) |
| * Outline four key functions of the control unit. | | | | | | | | | |  |  |  | (4 Marks) |
| * Explain three reasons as to why computers operate in binary mode. |  |  |  |  |  |  |  |  |  |  |  |  | (6 marks) |
| * Describe three factors affecting the performance of a computer. | | | | | | | | | | | | | (6 Marks) |

**Question two**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| * Using an organization of your choice and relevant examples, describe four ways in which it can use information systems for strategic advantage. |  |  |  |  |  |  |  |  |  |  |  |  | (12 marks) |
| * Explain four major functions for the operating systems. | | | | | | | | | | | |  | (8 Marks) |

**Question three**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| * Your organization wishes to implement a computer network to its communication process and sharing of resources among the employees. Advice the management on three possible network topologies that it can implements and the suitability of each. |  |  |  |  | (12 Marks) |
| * The knowledge of systems theory is very important to the wellbeing and performance of an organization. Explain four such importance of the systems theory to a banking institution. | |  |  |  | (8 marks) |

**Question Four**

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| * Citing valid examples, illustrate five ways in how information technology has transformed the structures, nature of operations and the management process of organizations. | |  |  |  |  |  |  | (10 marks) |
| * Citing specific examples and their uses, describe five classes of packaged proprietary software. |  |  |  |  |  |  |  | (10 marks) |

[Categories](http://online.kemu.ac.ke/kemuwiki/index.php?title=Special:Categories): [INTRODUCTION TO INFORMATION SYSTEMS](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:INTRODUCTION_TO_INFORMATION_SYSTEMS&action=edit&redlink=1) | [(MISC 116)](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:(MISC_116)&action=edit&redlink=1) | [(BBIT 111)](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:(BBIT_111)&action=edit&redlink=1) | [(CISY 101)](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:(CISY_101)&action=edit&redlink=1) | [(DBIT 120)](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:(DBIT_120)&action=edit&redlink=1) | [(DCIS 101)](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:(DCIS_101)&action=edit&redlink=1) | [3RD TRIMESTER 2014](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:3RD_TRIMESTER_2014&action=edit&redlink=1)