INTRODUCTION TO INFORMATION SYSTEMS (CISY 101) (BBIT 111) (MISC 116) 2nd trimester 2015

**KENYA METHODIST UNIVERSITY**

**END OF 2'***ND '***TRIMESTER 2015 (FT)EXAMINATION**

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

|  |
| --- |
|  |

**INSTRUCTIONS**

* *Answer question one and any other two questions from section B*

**Question One 30 Marks)**

* Outline the six benefits of computer networking in an organization.(6 marks)

|  |  |  |  |
| --- | --- | --- | --- |
| * Explain the following terms as used in computing: |  |  | (5 Marks) |

* Hardware
* Software
* Operating system
* Backup
* Virus

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| * Explain four factors to be considered when purchasing software resources in a company. |  |  |  |  |  |  |  |  | (4 Marks) |
| * Write a brief note on the following: | | | | |  |  |  |  | (10 Marks) |

* Control unit
* Arithmetic logical unit
* Distributed processing
* Real time processing
* Random access memory

|  |  |  |  |
| --- | --- | --- | --- |
| * Explain five components of information systems. |  |  | (5 Marks) |

**Question Two (15 Marks)**

|  |  |  |  |
| --- | --- | --- | --- |
| * Explain five major functions of operating system. |  |  | (5 Marks) |

* Write short notes on the following issues of information systems.(5 Marks)
* Ethical issues
* Moral dimension
* Security
* Health issues
* education

|  |  |  |  |
| --- | --- | --- | --- |
| * Explain the key features of a computer system. |  |  | (5 Marks) |

**Question Three (15 Marks)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| * Discuss three of the security threats that data and information can be exposed to and explain why it’s necessary to secure data and information |  |  |  |  |  |  |  |  |  |  |  | (6 Marks) |
| * Explain the three types of topologies used in networking with diagrams. |  |  |  |  |  |  |  |  |  |  |  | (6 Marks) |
| * Highlight three ways of preventing a computer from being attacked by a virus. | | |  |  |  |  |  |  |  |  |  | (3 Marks) |

**Question Four (15 Marks)**

|  |  |  |  |
| --- | --- | --- | --- |
| * Explain at least eight application areas of the internet. |  | (8 marks) | |
| * Describe the two ways of creating tables in Ms Word. |  | (2 Marks) | |
| * Explain the three main views for slides in Ms PowerPoint. |  | (3 Marks) | |
| * Highlight three features of electronic spread sheets. |  |  | (2 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) | [(CISY 101)](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:(CISY_101)&action=edit&redlink=1) | [(BBIT 111)](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:(BBIT_111)&action=edit&redlink=1) | [(MISC 116)](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:(MISC_116)&action=edit&redlink=1) | [2nd trimester 2015](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:2nd_trimester_2015&action=edit&redlink=1)