INTRODUCTION TO COMPUTER SYSTEMS (CISY 101) (BBIT 111) (MISC 116) (DCIS 101)( DBIT 120) 1ST TRIMESTER 2017

**KENYA METHODIST UNIVERSITY**

**END OF 1'***ST '***TRIMESTER 2017 (FT) EXAMINATION**

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| **SCHOOL** |   | : | SCIENCE AND TECHNOLOGY |
| **DEPARTMENT** | : | COMPUTER SCIENCE |
| **UNIT CODE** |   | : | CISY 101/ BBIT 111/ MISC 116/ DCIS 101 / DBIT 120 |
| **UNIT TITLE** |   | : | INTRODUCTION TO COMPUTER SYSTEMS |
| **TIME** |   |   | : | 2 HOURS |

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**Instructions:**

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| * Answer Question one and any other two questions.
 |   |  |

* **(30 Marks)**

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| * Briefly explain four functions of the operating system
 |   |   | (4 Marks) |
| * Salvina lost a document during a power blackout while working on her computer. Outline four measures that should be taken in future to avoid the loss
 |   |   |   |   |   |   |   |   |   |   |   |   | (4 Marks) |
| * List any three main specifications that need to be considered when purchasing computers.
 |   |   |   |   |   |   |   |   | (3 Marks) |
| * Perform the computations below
 |   |   |   |   |   | (6 Marks) |

* Convert **26.62510** to binary

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| * Convert **100100.0012** to decimal
 |   |   |   |   |   |
| * CPU is a major component that aids the processing of data into information. To achieve its main goal several factors must be monitored. State four factors that can influence the performance of the CPU.
 |   |   |   |   | (4 Marks) |
| * Define the following terms:
 |   |   |   |   |   |   | (4 Marks) |

* Peripheral Devices
* Program
* Information System
* Network

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| --- | --- |
| * Describe the key characteristics of the fifth generation computers
 | (2 Marks) |
| * Mark is a student in Computer science and is preparing a PowerPoint presentation for his final year project. Highlight three ways he can slide show his presentation
 |   |   |   |   |   |   |   |   |   |   |   | (3 Marks) |

* **(15 Marks)**

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| * Harry is an information systems analyst realized that the coming up of a new university carried with it business opportunities like typing students projects and developing software for the university among other. State four application software that Harry could prescribe to this University
 |   | (4 Marks) |
| * "Information and Communication Technology (ICT) has affected all areas of our lives". Explain this statement with suitable examples.
 |   |   | (5 Marks) |

* Outline the steps needed to perform the following in Microsoft word.

|  |  |  |  |
| --- | --- | --- | --- |
| * Selecting a line of text using a mouse.
 |   |   | (2 Marks) |
| * Changing font size.
 |   |   |   |   |   | (2 Marks) |
| * Saving a document.
 |   |   |   |   |   | (2 Marks) |

* **(15 Marks)**

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| * Describe two types of network topologies and for each state one advantage and one disadvantage
 |   |   |   |   |   |   |   | (8 Marks) |
| * State any three emerging computer technologies that are influencing economies trends
 |   |   |   |   |   |   |   |   | (3 Marks) |

* Differentiate between formulas and functions as used in spreadsheets.(2 Marks)

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| * Outline two uses of Ms- Excel as a spreadsheet program.
 | (2 Marks) |

* **(15 Marks)**
* State and briefly explain the four classifications of main memory (8 Marks)

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| * Explain the reasons why you would advise county governments to embrace computerization
 |   |   |   |   |   |   | ( 3 Marks) |
| * Describe how you would insert a table of contents in Microsoft word.
 | (4 Marks) |

[Categories](http://online.kemu.ac.ke/kemuwiki/index.php?title=Special:Categories): [INTRODUCTION TO COMPUTER SYSTEMS](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:INTRODUCTION_TO_COMPUTER_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) | [(DCIS 101)](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:(DCIS_101)&action=edit&redlink=1) | [( DBIT 120)](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:(_DBIT_120)&action=edit&redlink=1) | [1ST TRIMESTER 2017](http://online.kemu.ac.ke/kemuwiki/index.php?title=Category:1ST_TRIMESTER_2017&action=edit&redlink=1)