INTRODUCTION TO INFORMATION SYSTEMS,(BBIT 111 )(MISC 116 )( CISY 101)( DBIT 120)( DCIS 101 ),2ND TRIMESTER 2017

**Kenya Methodist University**

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| **School** |   | : |   | School of Science and Technology |  |
| **Department** | : |   | Computer Science |  |
| **Unit Code** | : |   | MISC116/BBIT111/CISY101 |
| **Unit title** | : |   | Introduction to Information Systems |

|  |
| --- |
| **August 2017TIME: 2 HOURS** |

'*INSTRUCTIONS: ATTEMPT QUESTION ONE '***AND ANY OTHER TWO**

**QUESTIONS**

**Question One (30 Marks)**

* Differentiate between the following terms as used in information systems

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| * Closed and open systems
 |   |   |   |   |   |   | (2 marks) |
| * Feedback and feedforward
 |   |   |   |   |   | (2 marks) |
| * Input and output devices
 |   |   |   |   |   |   | (2 marks) |
| * State five characteristics of a system
 |   |   |   |   |   | (5 marks) |
| * Explain any five ways how information systems have transformed organizations in the modern economy
 |   |   |   |   |   |   |   | (5 marks) |

* Differentiate between data and information as used in computing terminology (4 marks)

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| --- | --- | --- | --- | --- | --- | --- |
| * Explain any three types of information systems as found in organizations to support management related functions
 |   |   |   |   |   | (5 marks) |
| * Describe briefly the second generation of computers citing any technological advancement realized
 |   |   |   |   |   |   |   | (5 marks) |   |   |

**Question two**

|  |  |
| --- | --- |
| * Discuss any four factors that influence the performance of a computer
 | (8 marks). |

* Differentiate between the following terms as used in computing

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| * Analogue and digital computer
 |   |   |   |   | (4 marks) |
| * Primary and secondary memory
 |   |   |   |   | (4 marks) |
| * Give any four components of ICT based information systems
 |   | (4 marks) |

**Question three**

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| --- | --- |
| * With an aid of a diagram, explain the components of the central processing unit
 | (8 marks) |

* Describe any four storage devices as used in computer based information systems(8 marks)

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| --- | --- | --- | --- |
| * Give any four essential attributes of an operating system
 |   |   | (4 marks) |

**Question four**

* Explain the following terminologies as used in Internet technology

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| * World Wide Web (WWW)
 |   |   |   |   |   | (2 marks) |
| * Hypertext
 |   |   |   |   |   |   |   | (2 marks) |
| * Uniform Resource Locator (URL)
 |   |   |   |   | (2 marks) |
| * Discuss any four advantages of off-the-shelf application programs
 |   | (8 marks) |
| * Explain any three characteristics of valuable and useful information.
 |   | (6 marks) |

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