INTRODUCTION TO INFORMATION SYSTEMS (BBIT 111)(CISY 101)(MISC 116)( DCIS 101)(DBIT 120)3RD TRIMESTER 2016

**KENYA METHODIST UNIVERSITY**

**END OF 3'***RD '***TRIMESTER 2016 (PT) EXAMINATION**

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

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|  |

**INSTRUCTIONS**

Answer question **ONE** and any other **TWO** other questions

**QUESTION ONE (30mks)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| a) Define the following terms |  |  |  |  |  |  | (3mks) |

* Information
* Operating system
* Data

b) Explain the following types of network topologies with diagrams

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| * Star topology |  |  |  |  |  |  |  | (2mks) |
| * Mesh topology |  |  |  |  |  |  |  | (3mks) |
| * Bus topology |  |  |  |  |  |  |  | (3mks) |

c) What is the importance of having a network in an organization? (3mks)

d) List any three characteristics of good word processing software (3mks)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| e) Outline any four objects supported in Ms Access database management system |  |  |  |  |  |  |  |  | (4mks) |
| f) Describe any three internet connection options | | | | | | | |  | (6mks) |
| g) Give the function of the following Ms Excel commands | | | | | | | | | (3mks) |

* Insert◊sheet
* Data◊sort
* Formula◊autosum

**QUESTION TWO (15mks)**

a) Briefly describe the five main components of an information system (10mks)

b) Distinguish between

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| * Internet and worldwide web |  |  |  |  |  | (2mks) |
| * Web browser and web server |  |  |  |  |  | (2mks) |
| * Application software and system software | | |  |  |  | (1mk) |

**QUESTION THREE (15mks)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| a) Briefly describe any three types of information systems | | | | | | | |  | (6mks) |
| b) Outline key features of the first four generations of computers | | | | | | | | | (4mks) |
| c) With the help of a diagram, describe the main components of the computer architecture |  |  |  |  |  |  |  |  | (5mks) |

**QUESTION FOUR (15mks)**

a) Give any four characteristics of a computer system (4mks)

b) List and briefly describe any three forms computer malwares (6mks)

c) Explain five functions of an operating system (5mks)

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