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**KIBABII UNIVERSITY COLLEGE**

*(A Constituent College of Masinde Muliro University of Science Technology)*

P.O. Box 1699-50200 Bungoma, Kenya

Tel. 020-2028660/0708-085934/0734-831729

E-mail: [enquiries@kibabiiuniversity.ac.ke](mailto:enquiries@kibabiiuniversity.ac.ke)

**UNIVERSITY REGULAR EXAMINATION**

**2013/2014 ACADEMIC YEAR**

**SEMESTER EXAMINATION**

**FOR DIPLOMA IN (INFORMATION TECHNOLOGY)**

**COURSE CODE: DIT 054**

**COURSE TITLE: WINDOWS OPERATING SYSTEM**

**DATE: 13<sup>TH</sup> AUGUST, 2014**

**TIME: 9:00A.M.-11:00A.M.**

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**INSTRUCTIONS TO CANDIDATES**

Answer all questions in section A and any other TWO in section B

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## SECTION A (COMPULSORY)

### QUESTION # 1 [24 MARKS]

- a) What is an **Operating System**? [2 marks]
- b) Explain why the operating system is important to the computer system? [8marks]
- c) Distinguish between system software and applications software giving example in each case. [6 marks]
- d) What are the **THREE** major activities performed by an operating system with regard to device management. [3 marks]
- e) What is meant by utility programs? Name four utility programs incorporated in windows operating system setup.[3 marks]
- f) Outline the main procedure followed when installing anti-virus software on a windows platform. [4 marks]

## SECTION B (ANSWER ANY TWO QUESTIONS)

### QUESTION # 2[18 MARKS]

- a) Start menu is one of the important features of windows operating system; briefly outline any seven functions it provides to the user. [ 7 marks]
- b) i. distinguish between a directory and a file?[3 marks]  
ii. one of the basic component of an operating system is the file manager, what are the roles played by this component to computer system? [8 marks]

### QUESTION # 3 [18 MARKS]

- a) You have been invited as an IT specialist to an organization Y that has just received new computers. You discover that all programs running in the supplied computers are trial version and further, you notice that the computers have only one partition. What advice will you give and why do you think your advice is necessary? [10 marks]
- b) Discuss any **TWO** security features provided by windows operating system. [8 marks]

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QUESTION # 4 [18 MARKS]

- a) Discuss THREE features of windows operating system that facilitates network and resource sharing [6 marks]
- b) Differentiate between the terms: *buffering*, *caching* and *spooling* as used in the study of windows operating systems. [6 marks]
- c) Compare and contrast between windows and LINUX operating systems. [6 marks]

QUESTION # 5 [18 MARKS]

- a) What is meant by:
  - i. a process [1 marks]
  - ii. a program [1 marks]
  - iii. Batch Operating System [ 2 marks]
  - iv. Time Sharing Operating System [2 marks]
- b) Differentiate between a logical drive and a physical drive [4 marks]
- c) Differentiate between the terms Formatting and Partitioning, giving an illustration of how each can be achieved on a physical drive. [ 8 marks]