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**KIRIRI WOMENS' UNIVERSITY OF SCIENCE AND TECHNOLOGY  
UNIVERSITY EXAMINATION, 2017/2018 ACADEMIC YEAR  
DIPLOMA IN BUSINESS ADMINISTRATION**

**DBA 003 - INTRODUCTION TO MICRO COMPUTERS**

Date:

Time:

**INSTRUCTIONS TO CANDIDATES**

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**ANSWER QUESTION ONE (COMPULSORY) AND ANY OTHER TWO QUESTIONS**

- a) Distinguish between plotters and barcode readers (4 Marks)
- b) Discuss at least three generations of computers (12 Marks)
- c) Explain the two kinds of flat panel monitors (4 Marks)
- d) Critic the Laptop project being implemented by the current government (10 Marks)

**QUESTION ONE (30 MARKS)**

- a) Explain at least two types of Operating Systems (6 Marks)
- b) Differentiate between primary storage and secondary storage devices with relevant examples (6 Marks)
- c) Discuss the different functions of the operating system (8 Marks)

**QUESTION THREE (20 MARKS)**

- a) Discuss the major components of the Central Processing Unit and its functions. (10 Marks).
- b) Briefly discuss the four types of Number Systems and the 2 major characteristics they are associated with. (10 Marks)

**QUESTION FOUR (20 MARKS)**

- a) Distinguish the following:
- i. Computer Network and Network Topology
  - ii. Analogue and digital computers
  - iii. Special purpose and General purpose computers (6 Marks)
- b) Networking involves communication among computer devices. What networking topologies help in facilitating communication? (6 Marks)
- c) Explain the various functions of web browsers (4 Marks)
- d) Highlight the importance of computers in the economy (4 Marks)

**QUESTION FIVE (20 MARKS)**

- a) Differentiate between RAM and ROM (4marks)
- b) Differentiate between input and output devices giving 4 examples for each (10 marks)
- c) Various modes of data transmission are used in networks. Discuss the three major modes (6 marks)