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University Examinations 2023/2024

FIRST YEAR, FIRST SEMESTER EXAMINATION FOR THE DIPLOMA/CERTIFICATE IN INFORMATION TECHNOLOGY

CIT 1113/CIT 2113: INTRODUCTION TO COMPUTERS

DATE: APRIL 2024   **TIME: 1¹/2 HOURS**

INSTRUCTIONS:
   1. Answer Question ONE, and any other TWO

QUESTION ONE (30 MARKS)

A.) Differentiate between the following

   i.   **RAM** and **ROM**   (2 marks)
   ii.   Analog and Hybrid Computers   (2 marks)
   iii. Application and Utility Software   (2 marks)

B.) Explain any three functions of the **OS**?   (6 marks)

C.) Explain types of keyboard keys you know   (5 marks)

D.) Explain any two

   i.   Disadvantages of computers   (2 marks)
   ii.   Social-ills associated with the use of computers   (2 marks)
   iii. Characteristics of computers   (2 marks)

E.) Give at least three examples of input and three examples of output devices   (6marks)

F.) What is warm computer booting?   (1 marks)

QUESTION TWO (15 Marks)

a) Discuss the history of computers with the key evolution from the first generation to date

(5marks)

b) Explain what is "off-the-shelf" software? Explain any two advantages and two disadvantages

of using these types of software?   (5 marks)

c) Define the term "process" as used in computers? Give an example of a process that you know

of   (1 marks)

d)The management of MERU University wants to buy a printer to be used in producing students result-slips. Briefly discuss and justify the factors the management is supposed to consider (4 Marks)

QUESTION THREE (15 Marks)

a) Briefly discuss the following types of computers and the areas used

   i.   Analogue computer   (2 Marks)
  ii.   Digital Computers   (2 Marks)

b) Briefly explain the difference between Local Area Network and Wide Area Network. (4 Marks)

c) Identify any FOUR features of first-generation computers   (4 marks)

d) Give three examples of Special-purpose computers   (3 Marks)

QUESTION FOUR (15 Marks)

a) Briefly explain any four output devices   (4 marks)

b) State three reasons why one should preview a document before printing   (3 marks)

c) State the two main parts of the processing unit of a computer   (2 marks)

d) Describe any three advantages of using tailor-made software instead of off-the shelf

Software.   (6 marks)