

**NATIONAL OPEN UNIVERSITY OF NIGERIA**

**University Village, Plot 91, Cadastral Zone, NnamdiAzikiwe Express Way, Jabi, Abuja**

**FACULTY OF SCIENCES**

JULY 2017 EXAMINATION

**CIT392: Computer Lab II**

**TIME ALLOWED: 3Hours**

**INSTRUCTION(S): Attempt any Four (4) questions**

**Question 1**

1. What are control structures? **– 3 marks**
2. Discuss the various types of control structures you know using appropriate examples in C++ **- 10 marks**
3. Discuss any 3 types of packages in Ada programming language **- 4.5 marks**

**Question 2**

1. Data types in Java are the building blocks, give a detailed explanations of the various types of data types with appropriate examples **- 7.5 marks**
2. In Java, control structures are grouped into selection and repetition control structure, briefly discuss the various types of selection and repetition control structures **- 8 marks**
3. Enumerate the factors that determines quality of printed pictures **- 2 marks**

**Question 3**

1. i. In window XP environment, give examples of 6 settings that can be controlled using the control panel **- 3 marks**
2. Discuss the three categories of the loop structure in Ada **- 6.5 marks**
3. In windows 7 operating system, list the libraries provided by default and explain their usage - **5marks**
4. Enumerate the steps you would use to print pictures in windows 7 **– 3 marks**

**Question 4**

1. Why is it necessary to set up BIOS before installation of Linux operating system **- 5 marks**
2. In a sequential order, mention the typical steps you would take to successfully install a Linux operating system - **12.5 marks**

**Question 5**

1. There are 5 independent libraries for input/output operations in Ada. Explain them

* **7 marks**

1. Using at least two examples each, list any six operators in Ada programming language **- 10.5 marks**