NATIONAL OPEN UNIVERSITY OF NIGERIA
University Village, Plot 91, Cadastral Zone, Nnamdi Azikiwe 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
a) What are control structures? **– 3 marks**
b) Discuss the various types of control structures you know using appropriate examples in C++ **- 10 marks**

c) Discuss any 3 types of packages in Ada programming language **- 4.5 marks**

Question 2
a. 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**
b. 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**
c. Enumerate the factors that determines quality of printed pictures **- 2 marks**

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

Question 4
a) Why is it necessary to set up BIOS before installation of Linux operating system **- 5 marks**

b) In a sequential order, mention the typical steps you would take to successfully install a Linux operating system **- 12.5 marks**

Question 5
a) There are 5 independent libraries for input/output operations in Ada. Explain them

- **7 marks**

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