NATIONAL OPEN UNIVERSITY OF NIGERIA
JABI FCT ABUJA
FACULTY OF SCIENCE
FEBRUARY 2018 EXAMINATION

CIT392: Computer Lab II
TIME ALLOWED: 3Hours
INSTRUCTION(S): Attempt any Four (4) questions

Question 1
 a) List and discuss the various kinds of variables in Java programming 5 marks
 b) Data types in Java are the building blocks, give a detailed explanations of the various
   types of data types with appropriate examples   - 7 marks
 c) Lists the various in-built packages of Java that you know - 5.5 marks

Question 2
 a. List any 6 independent libraries for input/output operations in Ada - 6 marks
 b. List any 10 data types in COBOL   - 5 marks
 c. State any five name rules in COBOL   - 6.5 marks

Question 3
 a) Using appropriate examples of each, describe the three categories of the loop structure
   in Ada   - 9 marks
 b) What are packages? Explain the parts of packages in Ada - 3.5 marks
 c) In window XP environment, give examples of 5 settings that can be controlled
   using the control panel   - 5 marks

Question 4
 a) With appropriate examples enumerate any five basic categories of commands used in
   SQL to perform various functions   - 10 marks
 b) What are data definition languages in SQL? Give any four examples of the
   commands   - 4.5 marks
 c) Explain the rationale for the installation of BIOS prior to Linux operating
   systems installation?   - 3 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   - 7.5 marks
 c) Why are control structures necessary in programming - 4 marks