

**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**

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

**Question 2**

1. List any6 independent libraries for input/output operations in Ada - 6 marks
2. List any 10 data types in COBOL - 5 marks
3. State any five name rules in COBOL - 6.5 marks

**Question 3**

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

**Question 4**

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