



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