



NATIONAL OPEN UNIVERSITY OF NIGERIA
14/16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
JUNE/JULY EXAMINATION

COURSE CODE: CIT392

COURSE TITLE: Computer Laboratory II

TIME ALLOWED: 2 hrs

INSTRUCTION: Attempt any four (4) questions

Question 1

- a. With respect to the Java programming language and with the aid of examples, write short notes the following terms:
 - i. Classes (3 marks)
 - ii. Methods (3 marks)
 - iii. The *this* keyword (2.5 marks)
- b. The Central Bank of Togo has issued bank notes in denominations of 100, 50 and 1 Togolese Dollars. Write a Java program that accepts any integer amount supplied by a user and calculates the smallest number of bank notes required to issue that amount of money to the user. [Hint: For example, to issue 100 Togolese dollars, we need only 1 bank note] . (9 marks)

Question 2

- a. We want to determine the largest and the smallest number in a list of values. All values are integers. Write a C++ program that accepts the number of values from a user and then accepts the values themselves and then outputs which is the largest and which is the smallest. (13 marks).
- b. With respect to C++ arrays, define the following terms:
 - i. Array (1 mark)
 - ii. Index (1 mark)
 - iii. Dimension (1 mark)
- c. With the aid of an example, explain briefly C++ pointers (1.5 marks).

Question 3

- a. Contrast between;
 - I) Structured Programming.
 - II) Object-Oriented Programming.
- b. List any four Windows XP commands.

Question 4

- a. There are 5 independent libraries for input/output operations in ADA; enumerate them.
- b. Write short notes on any 4.

Question 5

- a. List any six Windows XP commands.
- b. Write short notes on any four.

Question 6

- a. Enumerate three Non-numeric Data Type in C++
- b. Write short notes on the three (11 ½ marks)