



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
MAY/JUNE 2012 EXAMINATION

CIT634: Object Oriented Technology
Time Allowed: 3hrs

Attempt any five (5) questions

Question 1

Write short notes on the following;

a) Polymorphism

(4 marks)

b) Interface

(5 marks)

c) Inheritance

(3 marks)

d) Object

(4 marks)

e) Three components of a Message

(3 marks)

Question 2

a) Write Java codes for the "Hello World" Application.
(2 mark for each correct statement = 12marks)

b) What is a Variable? (4 marks)

c) Write short note on OOAD methodologies (4 marks)

Question 3

a) Define Object Oriented Programming.
(5 marks)

b) What is a Method?
(5 marks)

c) What is Encapsulation?
(5 marks)

- d) Modular programming

(5 marks)

Question 4

The life cycle of a computer-based system exhibits distinct phases:

- a) Enumerate them.
(4 marks)
- b) Write briefly on the four enumerated.
(4 marks)

Question 5

- a) Outline the Waterfall model of Software Life Cycle

(2 marks each = 10 marks)
- b) Enumerate 10 important qualities of Software Product and Process.
(1 mark each = 10 mark)

Question 6

- a) Enumerate ten (10) Principles of Software Engineering

(2 marks each = 18 marks)
- b) List the two components the Java platform.

(1 mark each = 2 marks)

Question 7

- a) Illustrate the Data Flow Diagram (DFD) for querying a database (14 marks)
- b) Enumerate the steps notation in Booch's methodology (6 marks)