



NATIONAL OPEN UNIVERSITY OF NIGERIA
14-16 AHMADU BELLO WAY, VICTORIA ISLAND, LAGOS
SCHOOL OF SCIENCE AND TECHNOLOGY
JANUARY/FEBRUARY 2013 EXAMINATION

Course Title: CIT734: Object Oriented Technology
Instruction: Attempt any four (5) questions
Credit Unit: 3
Time: 3 hrs

Question 1

Software maintenance is in three categories;

- a) **Enumerate the three categories. (3 marks)**
- b) **Write short notes on these three categories. (12 marks)**
- c) **What are Byte Codes? (5 marks)**

Question 2

- a) **Define Object Oriented Programming. (5 marks)**
- b) **What is Business Information System (5 marks)**
- c) **Who is a System Analyst? (5 marks)**
- d) **What is Java Virtual machine? (5 marks)** **Total = 20 marks**

Question 3

- a) **What are Operators? (4 marks)**
 - b)i) **List and explain any four Operators. (4 marks)**
 - ii) **Write briefly on the four (4) Operators listed (12 marks)** **Total = 20 marks**

Question 4

Write short notes on any four data type in Java. Total = 20 marks

Question 5

Write short notes on the following;

- i) **Polymorphism (5 marks)**
- ii) **Constructor (5 marks)**
- iii) **Inheritance (5 marks)**
- iv) **Data Abstraction (5 marks)** **Total = 20 marks**

Question 6

**Write briefly on the life cycle methodology for developing complex system.
(20 marks)**

Question 7

- a) Define Data Structures (4 marks)**
- b) Write on any four Data Structure (10 marks)**
- c) What is Java Bean (6 marks)**