CIT 392 - Computer Laboratory II   **Credit:** 2 units

TIME ALLOWED: 2 Hours
INSTRUCTION: Answer Question 1 and any other THREE (3) Questions

1a)   What is an operating system?   (2marks)
1b)   Explain variable and show how are they declared in Java program   (4marks)
1c)   Describe a repetition control structure? List three (3) types in Java   (5marks)
1d)   Define Java Packages? Explain two (2) categories of java packages   (5marks)
1e)   Outline four (4) in-built packages of Java   (4marks)
1f)   Enumerate five (5) logical opera tors in C   (5marks)

2a)   Write short notes on the following terms;
       i) icons   (2marks)
       ii) taskbar   (2marks)
       iii) notification area   (2marks)
       iv) quick launch bar.   (2marks)
2b)   Explain licensing in Linux (5marks)
2c)   What is the Desktop?   (2marks)

3a)   Write and explain the general syntax of SQL SELECT statement (9 marks)
3b)   Outline four (4) data types supported by C language   (4marks)
3c)   Define is an algorithm?   (2marks)

4a)   Describe four (4) kinds of variables in Java programming language   (8marks)
4b)   What is bitwise operations? Give3 examples of bitwise operators and their   functions
       (5mks)
4c)   Describe procedural programming.   (2marks)

5a)   Explain with example the While Loop control structure in C   (5marks)
b)   Illustrate the *this* keyword in Java.(5marks)
c)   Identify any five (5) Arithmetic operators in C   (5marks)