CS101 updated VU Final term Past Paper Last 5 Year
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Questions:

1. **Module 121:**
   - *Question:* What is the purpose of a loop control structure in programming?
   - *Answer:* A loop control structure in programming is designed to iterate a set of instructions based on a provided condition. It simplifies repetitive tasks by executing a block of code multiple times until the specified condition is no longer met.

2. **Module 122:**
   - *Question:* What is parallel processing, and how is it achieved in programming languages like Java?
   - *Answer:* Parallel processing involves simultaneous execution of multiple tasks, known as threads. In Java, parallel processing is achieved by creating multiple threads. Each thread represents an independent unit of execution with its own set of parameters, allowing the illusion of multiple activities happening simultaneously.

3. **Module 123:**
   - *Question:* Explain the difference in the division operation ("/") in C-language when operands are integers and when one is a decimal number.
   - *Answer:* In C-language, when both operands of the division ("/") operation are integers, the result is obtained by truncating the decimal point. However, if one operand is a decimal number, the division result is calculated as in mathematics, preserving the decimal point.

4. **Module 125:**
   - *Question:* What is the purpose of logical operators in C-language, and how do AND and OR operators behave?
   - *Answer:* Logical operators in C-language are used for comparing multiple conditions. The AND operator outputs 1 only when both

conditions are true, while the OR operator outputs 1 when at least one of the conditions is true. The NOT operator gives an inverted output, and the behavior is summarized in a truth table.