Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

NESTED LOOP

A. Tick (✓) the correct option.

1. Which statement allows skipping the remaining code in a loop iteration?

   a. break ☐   b. return ☐

   c. continue ☐   d. exit ☐

2. Which nested loop executes at least once regardless of the condition?

   a. for loop ☐   b. while loop ☐

   c. do-while loop ☐   d. infinite loop ☐

B. Fill in the Blanks

1. The .... statement is used to exit a loop immediately.
2. The .... loop executes its body before checking the condition.
3. Nested loops are useful for processing .... structures.
4. The condition of a while loop is checked .... execution of the loop body.

C. Match the Following

Column A	Column B
1. While loop inside while loop	i. for(initialization;condition;increment)
2. break	ii. last statement of do while loop
3. Increment/Decrement	iii. nested while loop
4. while(condition);	iv. exist from inner loop

D. Short Questions

1. Define a nested loop with an example.
2. How does the continue statement affect loop execution?
3. What is the difference between a nested while loop and a nested for loop?
4. How can you optimize nested loops for better performance?

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____