

Course Number: _____ Course Name _____

Semester: _____ Pre/Posttest Year: _____

This test will NOT impact your course grade. This study is independent of your class.

ID Number (**DO NOT use your name**): _____

1. What is the main objective of program testing?

2. (a) Identify all the testing techniques you have used to create test cases.

(b) Write test cases to test the code provided below. Identify which testing technique was used to generate the test case.

```
// Method to withdraw money from a bank account
// The following variables are defined in the class and have the
// following values: requiredMinimum = 50.0 and balance = 100;
public void withdraw (double amount) {
    if ((balance - amount) < requiredMinimum) {
        System.out.println("Insufficient funds");
    }
    else{
        balance = balance - amount;
    }
}
```

Input Value	Expected Output Values			Testing Technique Used
amount	amount	balance	requiredMinimum	

3. Have you ever used tools to support testing of programs? *Circle your answer.* Yes No

4. If you have answered "Yes" to Question (3), answer the following questions:

a. List the names of the tools you have used.

- b. List one tool in each of the following categories that you have used and indicate your level of proficiency corresponding to each tool on a scale of 1 - 5 with 1 = *barely competent* and 5 = *extremely proficient*.

	<u>Category</u>	<u>Tool(s)</u>	<u>Proficiency</u>
i.	Unit Testing	_____	___
ii.	Functional Testing	_____	___
iii.	Code Coverage	_____	___

5. Do you know of any online resources that provide information on software testing? Yes No

6. If you have answered "Yes" to Question (5), answer the following questions:

a. State the names of online resources.

b. State the type of materials (notes, lab exercises, tutorials etc.) found at each resource listed above.

7. How beneficial do you think it is to use tools to support testing of your programming assignments? ____

Use a scale of 1 - 5 with 1 = *Not beneficial* and 5 = *Extremely beneficial*

8. If you answered **2 or above** to Question (7), state one reason for your answer.

Thank you for completing the test.