

Course no : SWE 5321

College of Engineering

Student No: _____

Course title: Testing of
Software System

Mid Exam

Student Name: _____

Exam Time: 1 Hour

1st Semester 2014/2015

Date: 23/11/2014

No of Questions: 5 questions

Total Grade: 30

Try to Answer All Questions

Open Book: No

Using Computer: No

Using Calculator: No

Q1: 15 points

1. What is the difference between verification and validation? (4 pts.)

2. The aim of software testing is to eliminate: (3 pts.)

1.

2.

3.

3. Define Black Box testing. (2 pts.)

4. Define White Box testing. (2 pts.)

5. List two methods for Black Box Testing. (4 pts.)

Q2: 15 points

1. What are the three components of a test case? (4 pts.)

2. What is a Test Oracle? (1 pt.)

3. What is a Test Bed? (1 pt.)

4. Define Software Quality in Terms of Software Testing. (2 pts.)

5. For each of the following Types of Defects give two examples: (4 pts.)

	Types of Defects	Example of defects
1.	Requirements and Specification Defects	
2.	Coding Defects	

6. Program specification states that the system will accept between 4 and 10 inputs that are 5-digit integers.

Partition system inputs and outputs into 'equivalence sets'

If input is a 5-digit integer between 10000 and 99999, equivalence partitions are

<10000, 10000-99999 and >10000

Choose test cases using Equivalence Class Testing. (3pts)