

## Homework #5

### CENG 437 – Software Quality Management

1. In a test project, the number of defects found in different phases of testing are as follows: unit testing, 163 defects; integration testing, 186 defects; system testing, 271 defects. The number of defects found by sustaining test engineers by conducting fault seeding experimentation is 57. What is the value of DRE? Calculate the value of the system test DRE?
2. Use the defect age (PhAge) given in the table below to recalculate the spoilage metric for the Boomerang test project.

TABLE I. Scale for PhAge

Phase Injected	Phase Discovered							
	Requirements	High-Level Design	Detailed Design	Coding	Unit Testing	Integration Testing	System Testing	Acceptance Testing
Requirements	0	1	2	4	6	8	10	14
High-Level Design		0	1	2	4	6	8	12
Detailed Design			0	1	2	4	6	10
Coding				0	1	2	4	8

#### **Submission Rules:**

- **Due Date: 25.05.2018, 23:55**
- If any cheating is detected in your homework, will be graded as 0.
- Please submit your homework document as the given format with your student ID: **StdID\_CENG437\_HW05.pdf/doc/docx.**