

CSIT 415 Sp 2015 - Suggested Study Guide to Test #1

You may use the following as a guide to help you focus as you prepare for the test. This just provides a general guide as to the areas from which questions may be chosen.

1. **Software engineering** – why? What’s it about? Etc.
2. **Consequences of making changes to a product**
3. **Testing** – why? Who’s involved ?
 - Types of testing- example verification and validation, integration, etc
 - Testers’ concerns, reporting results, problems,
 - How different personnel contribute to the testing process
 - Equivalence partitioning and boundary values, identifying equivalence classes; identifying/Stating values within equivalence classes; identifying/listing boundary values; generating test data
 - Control flow graphs and related concepts – ex providing appropriate coverage, domination relationships, trees
4. **Test Plan** – Why? Its Contents
5. **Test Team** – Why test teams? Types, characteristics, advantages of etc.
6. **SQA** – What’s it about? Why SQA?
 - a. Quality attributes.
7. **Software Life Cycle phases** – Specification, Design role in software Quality.

Note:

1. The test will be in two parts: (1) Multiple choice and (2) **Short** answers requiring you to explain, or state/describe ‘concepts’ associated with software engineering. .
2. **You must bring #2 pencil(s) with you to the test**
3. **The test will be on Thursday March 5, 2015**