Anna University Exams Nov / Dec 2016 – Regulation 2013

Important Questions

IT6004 - SOFTWARE TESTING

<u>**UNIT -1**</u>

1. **Explain in detail about the principles of software testing**
2. **Explain defect classification in detail**
3. **Explain the defect repository and its origin of defects**
4. **Explain (a) testing axioms (b) SQA group(c) Quality metric (d) Test case**

Unit II

1. **Explain (a)equivalence class partitioning (b) boundary value analysis.**
2. **Discuss path and cyclomatic complexity**
3. **Explain various black box testing in detail**
4. **Explain white box design approaches in detail**

Unit III

1. **Explain (a)integration test (b) Object Oriented testing**
2. **explain the different levels of testing in detail**
3. **Explain non – functional testing techniques in detail**
4. **How you run the unit test and record the result explain the process in detail**

Unit IV

1. **Explain various groups in test plan and policy development with their role**
2. **Discuss challenges and issues involved in testing service organization**
3. **Explain essential high level items that are included during test planning. Discuss the test plans**
4. **What are the skills needed for a test specialist**
5. **Discuss IEEE recommended test in detail**

Unit V

1. **Explain different types of software metrics and measurement used in testing process**
2. **Discuss Manual and automatic testing in detail**
3. **Explain parameters to be Focussed for evaluating the software quality**
4. **Explain the architecture of test automation**
5. **How defect can be prevention explain the different metrics used**