

R09

Code No: D2502

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M.Tech II - Semester Examinations, March/April 2011

SOFTWARE QUALITY ASSURANCE AND TESTING

(SOFTWARE ENGINEERING)

Time: 3hours

Max. Marks: 60

**Answer any five questions
All questions carry equal marks**

1. Define Software Quality Assurance? Describe the steps to develop and implement a Software Quality Assurance Plan. [12]
2. Explain various Metrics for Software Maintenance. [12]
3. Define Test Strategy. List and explain various Test Factors. [12]
4. What is a Work Bench? Explain 8 considerations in Developing Testing Methodologies. [12]
5. a) Distinguish between Black Box and White Box Testing.
b) Explain Cause Effect Graphing with an example. [6+6]
6. a) Provide and explain Taxonomy of Testing Tools.
b) Explain benefits of testing tools. [6+6]
7. Explain the 11 step testing process in detail. [12]
8. Discuss the Testing off the Shelf components in detail. [12]

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