

Code No: C5806

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
M.Tech I Semester Examinations March/April-2011
SOFTWARE QUALITY ASSURANCE AND TESTING
(COMPUTER SCIENCE & ENGINEERING)

Time: 3hours

Max.Marks:60

Answer any five questions
All questions carry equal marks

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1. a) Explain about software quality assurance plan.
b) Distinguish between three sigma and six sigma. [12]
2. a) Explain about In-Process quality metrics.
b) How to validate the software quality metrics? Explain. [12]
3. a) Briefly discuss about the economics of SDLC.
b) What are eight considerations in developing testing methodologies? Explain. [12]
4. a) Explain Exception, Gray-Box and Histograms.
b) Explain about Load Runner with suitable examples. [12]
5. a) Explain Evaluation of Test Effectiveness.
b) Describe about Testing a Data Warehouse. [12]
6. a) Give Examples of Metric Programs.
b) Explain in detail about Design Phase Testing. [12]
7. a) Explain Establishing testing policy and workbench concept.
b) Discuss about Software Quality Assurance. [12]
8. Explain the following:
a) CMMI.
b) Testing tactics checklist.
c) White-Box Testing. [12]