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]