

R09

Code No: D4011, D2502, D6208

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

M.TECH II - SEMESTER EXAMINATIONS, APRIL/MAY 2012

SOFTWARE QUALITY ASSURANCE AND TESTING

(COMMON TO INFORMATION TECHNOLOGY, SOFTWARE ENGINEERING, WEB TECHNOLOGIES)

Time: 3hours

Max. Marks: 60

Answer any five questions

All questions carry equal marks

- - -

1. What is SQA plan? Explain various steps to develop and implement it.
2. What is CMMI? Elaborate on it in detail.
3. Elaborate on software quality metrics methodology in detail.
4. What is product quality? Explain about various metrics for measuring product quality.
5. a) What is a testing policy? How would you establish it?
b) Explain the economics of SDLC.
6. a) What is functional testing? Differentiate between functional and structural testing.
b) Explain various testing tactics in detail.
7. a) Explain about boundary value analysis in detail.
b) Explain about risk-based testing in detail.
8. Write short notes on the following.
 - a) JUNIT
 - b) Requirements phase testing
 - c) Load Runner
