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**B.TECH. COMPUTER SCIENCE AND
ENGINEERING (BTCSEVI)**

Term-End Examination

June, 2013

BICSE-015 : SOFTWARE QUALITY ENGINEERING

Time : 3 hours

Maximum Marks : 70

*Note : (i) Answer any seven questions.
(ii) All questions carry equal marks.*

1. Define Software Quality Assurance ? Describe the steps to develop and implement software quality assurance plan. **10**
2. What is meant by metric ? Explain various metrics for software maintenance. **10**
3. What is the importance of reliability model ? Explain about the Rayleigh Model in detail. **10**
4. Explain the evolution of software quality assurance in detail with suitable example. **10**
5. Explain the role of verification and validation in software evolution. **10**

6. How the product quality metrics are classified ? 10
Explain them in detail ?
7. Discuss about the conceptual model of quality 10
defect antology with a neat sketch.
8. Explain the process involved in quality 10
improvement in detail.
9. Is static testing is more effective than dynamic 10
testing ? Justify your answer with suitable
example.
10. Write short notes on *any two* : 2x5=10
- (a) Zero defect software
 - (b) Structural testing
 - (c) Characteristics of Modern Testing Tools
 - (d) Defect Rate
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