

**B.Tech. - VIEP - COMPUTER SCIENCE AND
ENGINEERING (BTCSVI)**

00974

**Term-End Examination
June, 2014**

BICSE-015 : SOFTWARE QUALITY ENGINEERING

Time : 3 hours

Maximum Marks : 70

*Note : Answer any **seven** questions. All questions carry equal marks.*

1. Define Software Quality. What are the software quality specifications ? 10
2. What is software review ? Explain different types of software review. 10
3. In what way is the lines of code metric measured when there is "ambiguity of operations" in the lines of code ? Explain. 10
4. What are the different methods of testing in "In-process quality metrics" ? 10
5. State and explain the software quality indicators. 10
6. Explain the Rayleigh model when shape parameters are $m = 1$ and $m = 2$. 10

7. Define Software Quality Assurance. How do you evaluate the software quality assurance ? Explain. 10
8. Write short notes on the following :
- (a) Quality improvement process 5
 - (b) Software quality assurance techniques 5
9. List and explain the different quality standards. 10
10. What is Verification and Validation in testing ?
Give the differences between them with examples. 10
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