

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

00563

Term-End Examination

June, 2018

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 different software quality attributes and their specifications ? 10
2. Explain the 'function point' involved in Software Quality. Give some suitable examples. 10
3. Define Software Quality Metrics. State different quality metrics in software quality assurance. 10
4. What are the various methods in software quality planning ? 10
5. Differentiate between fix response time and fix quality of software maintenance. 10

6. Describe software reliability models. Explain the Rayleigh model in detail. 10
7. Explain the role of verification and validation in software evolution. 10
8. State and explain the software quality indicators. 10
9. (a) What is zero defect software ? Give one example. 10
- (b) Define Software Quality Management. What are the steps involved in it ?
10. Write short notes on any **two** of the following : $2 \times 5 = 10$
- (a) Quality Standard
- (b) Quality Improvement Process
- (c) Major SQA Activities
-