

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

Term-End Examination

00464

June, 2017

BICSE-015 : SOFTWARE QUALITY ENGINEERING

Time : 3 hours

Maximum Marks : 70

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

1. What do you mean by software quality ? Also discuss the defects in the context of quality. 10
2. What is software review ? Explain the different types of software reviews in detail. 10
3. Explain function point with the help of suitable example. 10
4. Illustrate the concept of relations of error, fault, failure and defect with suitable block diagram. 10
5. Explain about Minimal Quality Assurance in detail. 10
6. What do you mean by software quality assessment models ? Explain the hierarchical model of software quality assessment. 10

7. What is SQA ? Explain the major SQA activities in detail. 10
8. What is testing ? Explain and differentiate between different types of testing in detail. 10
9. What do you mean by testing tools ? Differentiate between static and dynamic testing tools in detail, with examples. 10
10. Write short notes on any *two* of the following : $2 \times 5 = 10$
- (a) Backlog Management Index
 - (b) Software Reliability
 - (c) Error-oriented Analysis