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B.Tech. - VIEP - COMPUTER SCIENCE AND ENGINEERING

(BTCSVI)

Term-End Examination, 2019

BICSE-015 : SOFTWARE QUALITY ENGINEERING

Time : 3 Hours]   [Maximum Marks : 70

Note : Attempt **any seven** questions in all. All questions carry **equal** marks.

1.   Explain the term software quality. Also explain cost of quality with the help of an example.   [10]

2.   Explain Customer Problems Metric in detail.   [10]

3.   What is Software Quality Assurance (SQA) ? Explain major activities of SQA.   [10]

4.   What is error oriented analysis and testing ? Briefly explain with the help of an example.   [10]

5.   What are defects, fault and failure ? Explain with the help of example. How these entities effect quality of a software ?   [10]

6. Explain hierarchy model of software quality assessment.[10]

7. Explain any software reliability growth model with the help of example. [10]

8. List and explain any three software quality standards.[10]

9. What is total quality management ? Briefly discuss any four principles of total quality management. [10]

10. Write Short notes on **any two** of the following :[2x5=10]

   (a) Zero Defect Software

   (b) Software Review

   (c) Verification and Validation

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