H-9

B. Tech. EXAMINATION, Dec. 2018

(Eighth Semester)

(B. Scheme) (Re-appear Only)

(CSE)

CSE464B

SOFTWARE STANDARDS AND QUALITY

Time : 3 Hours]   [*Maximum Marks : 75*

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks.

Unit I

1. What do you mean by software review ? What is the purpose of review ? Explain the formal technical review in detail. **15**

2. (a) Discuss the relationship of assurance to the software life-cycle. **7**

(b) Define the software quality. Discuss the major SQA activities. **8**

Unit II

3. What is the purpose of evaluation ? Discuss in detail the evaluation of integration and testing phase. **15**

4. (a) Discuss the error reporting in the implementation of correction phase. **7**

(b) Explain the regression testing. **8**

Unit III

5. Discuss the following trend report types :

(a) Error Frequency

(b) Compilation Frequency. **7,8**

6. Discuss the purpose of corrective action system. Explain the various methods to determine when a corrective action would be taken. **15**

Unit IV

7. Explain the five maturity levels of CMM model with their key process areas. **15**

8. (a) Discuss the effect of case tool on the software quality. **7**

(b) Briefly explain the six sigma concept for software quality. **8**