BB-584

M. Tech. EXAMINATION, Dec. 2018

(Second Semester)

(B. Scheme) (Re-appear Only)

(CSE)

CSE552B

SOFTWARE DESIGN AND CONSTRUCTION

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. Discuss Software architecture and architectural design of software in detail. **15**

2. Discuss user interface design principles and the user interface design process in detail. **15**

Unit II

3. Write short notes on the following : **15**
   (a)   UML
   (b)   OMT.

4. With the help of an example describe concept of interaction diagrams and activity diagram. **15**

Unit III

5. (a)   With the help of a program in C++ illustrate difference between protected and private scope. **8**
   (b)   Describe usage and syntax of virtual destructor and virtual function in C++. **7**

6. (a)   Discuss differncen between object based and object oriented programming approaches. **7**
   (b)   Discuss advantages of object oriented approach. **7**

Unit IV

7. (a)   Why abstract methods and classes are used ? Explain with example. **7**
   (b)   Write a program in C++ to overload new operator. **8**

8. What are file pointers ? Discuss various manipulators for them. **15**