97640

BCA 4th Semester (New) 2011-12
Examination – May, 2013

SOFTWARE ENGINEERING

Paper : BCA-207

Time : Three hours]   *[Maximum Marks : 80*

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

Note : Attempt any *five* questions. All questions carry equal marks.

1. (a) What is prototyping ? How is it useful and used ? Discuss with examples.   8

   (b) Discuss uses and advantages of review process with an example.   8

2. Explain the following briefly with suitable examples :   8 each

   (i) Generic view of Software Engineering,

   (ii) Software Engineering goals.

3. (a) What are software testing methods ? How these are useful and used ? Explain any three methods with suitable examples. 8

 (b) Discuss top level design with an example. 8

4. Describe the following with examples : 8 each
 (i) Software quality attributes,
 (ii) Object-Oriented software requirement specification.

5. (a) What is water fall model ? How is it used and useful ? Explain it with an example. 8

 (b) Discuss regression testing and its advantages with examples. 8

6. Explain the following with examples : 8 each
 (i) Cohesion and its types,
 (ii) System Design and its goals.

7. (a) What is good coding style ? How is it useful and used ? Discuss with suitable examples. 8

 (b) Explain object-oriented design with an example. 8

8. Explain the following with examples : 8 each
 (i) Software Design Principles,
 (ii) Types of software maintenance.