

Roll No.

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.

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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.
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