97676

B.C.A. 4th Semester

Examination–May, 2015

Software Engineering

Paper-BCA-209

Time : 3 hours   **Max. 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 the examination.

Note : Attempt **five** questions in all. Question No. 1 will be **compulsory**. Students will have to attempt **four** more questions selecting **one** question from each unit.

1. Explain the following :   *16*

    (i)   Data Dictionaries

    (ii) COCOMO

(iii) Coupling

(iv) Software Testing

Unit-I

2. (i) What do you mean by software development life cycle? Explain the different steps involved in SDLC. 8

(ii) Give a brief idea about evolutionary models. 8

3. Describe the following: 16

(i) Requirements Elicitation

(ii) SRS

Unit-II

4. What is the management spectrum? Also describe the four P's namely People, Problem, Process and Project. 16

5. (i) Explain the importance of cost estimation in a project. *8*

(iv) What is project plan? Explain the various components of a good software project plan. *8*

Unit-III

6. Describe the following : *16*

(i) Object Oriented Design

(ii) Function Oriented Design

7. (i) What is coding? Explain the different coding standards. *8*

(ii) Explain the general rules for a good programming style. *8*

Unit-IV

8. Explain the following: *16*

(i) Debugging

(ii) System Testing

9. Explain the following : 16

(i) Reverse Engineering

(ii) Documentation

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