

Roll No. ....

**97676**  
**B.C.A. 4th Semester**  
**Examination-May, 2015**  
**Software Engineering**  
**Paper-BCA-209**

**Time : 3 hours**

**Max. Marks : 80**

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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.

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**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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