IV Semester B.C.A. Examination, Feb./March 2010
SOFTWARE ENGINEERING

Time : 3 Hours   Max. Marks: 80

Instructions *: 1) Answer **all** questions in Part **A**, **5** out of **8** questions in Part **B**, and **3** out of **5** questions in Part **C**.*
*2) Part **A** : Questions from **1** to **8** carry **1** mark and **9** to **14** carry **2** marks **each**.*
*3) Part **B** : **Each** question carries **5** marks.*
*4) Part **C : Each** question carries **10** marks.*

PART – A

1. What is Configuration Management ?

2. What is Software Engineering ?

3. Define System Design.

4. What is System Software ?

5. What is RAD model ?

6. Define Unit Testing.

7. What is Risk Mitigation ?

8. Define Decomposition.

9. What is the role of Software in a Project development ?

10. Write a note on debugging.

11. What is Source-Code Metrics?

12. What are Software myths?

13. What are the different types of Software?

14. Mention any 4 attributes of Software.

P.T.O.

PART – B

1. Explain COCOMO model in detail.

2. Describe the languages for requirement specification.

3. Explain Configuration Management.

4. Explain Quality assurance.

5. What are the Integrating metrics within the Software Engineering Process ?

6. Explain Spiral model in detail.

7. Explain the activities of Testing Process.

8. Explain the metrics in the Process domains.

PART – C

1. Explain different types of Software maintenance with examples.

2. Write a note on Risk monitoring and management.

3. Explain the different maintenance tools and techniques.

4. Explain the different types of requirements.

5. What are the advantages and disadvantages of Waterfall model ?

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