



Reg. No. : .....

Name : .....

**Eighth Semester B.Tech. Degree Examination, April 2016  
(2008 Scheme)**

**08.801 : SOFTWARE ENGINEERING AND PROJECT MANAGEMENT (R)**

Time : 3 Hours

Max. Marks : 100

**PART – A**

Answer **all** questions :

1. What are the different categories of software products ?
2. What is a software metric ? How is it different from software measurement ?
3. What are the main features of spiral model ?
4. Distinguish between Verification and Validation.
5. What do you mean by risk projection ?
6. Explain Boehm model for estimating maintenance costs.
7. Distinguish between Alpha and Beta testing.
8. What is modularity ? List the important properties of a modular system.
9. Compare hardware reliability with software reliability.
10. What is the role of SQA group ?

**(10×4=40 Marks)**

**PART – B**

Answer **one** question from **each** Module :

**Module – I**

11. a) What are the characteristics to be considered for the selection of a life cycle model ? **8**
- b) Explain the characteristics of a good SRS. **12**

OR

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12. a) Explain the following : 10  
    a) Waterfall model  
    b) Prototyping.
- b) With an example, explain the different phases in software development. 10

**Module – II**

13. a) With an example, explain cyclomatic complexity. 10  
    b) Explain Cocomo model for software estimation. 10

OR

14. a) What are the different types of maintenance ? Give examples. 10  
    b) What are the different types of cohesion and coupling ? 10

**Module – III**

15. a) Explain about software configuration standards. 10  
    b) Explain about case tools. 10

OR

16. a) Explain how to define a task set for a software project ? 10  
    b) Explain user interface design. 10
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