



Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, April 2015
(2008 Scheme)**

08.801 : SOFTWARE ENGINEERING AND PROJECT MANAGEMENT (R)

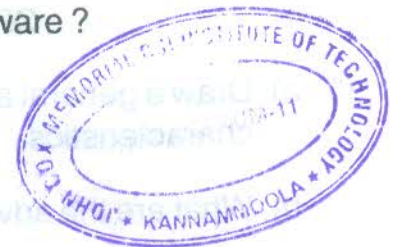
Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions. **(10×4=40 Marks)**

1. Why is it important to follow a life cycle model while developing a large software product ?
2. List few challenges faced during requirement elicitation.
3. What is a prototype ? What are the advantage of a prototyping software process model ?
4. Discuss about SRS validation.
5. What are the various activities during software planning ?
6. Distinguish among error, fault and failure, which of these condition is detected by testing.
7. What is the difference between coupling and cohesion ?
8. What are the activities for configuration management of software ?
9. Discuss the characteristics of good user Interface.
10. What is the role of a repository in a CASE environment ?



PART – B

Answer **any one** question from **each** Module.

(3×20=60 Marks)

Module – I

11. a) What do you understand with the term requirement elicitation ? Discuss any two techniques in detail. 10
- b) What is software life cycle ? Discuss the generic waterfall model. 10

OR

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- 12. a) Explain the spiral model of software development. What are the limitations of such a model ? 10
- b) Discuss the difference between the following
 - i) Functional and non functional requirement
 - ii) User and system requirements. 10

Module – II

- 13. a) Discuss various types of COCOMO mode. Explain the phasewise distribution of effort. 10
- b) What are the objectives of modular software design. What are the effect of module coupling and cohesion ? 10

OR

- 14. a) Discuss the various kinds of functional testing. 10
- b) What are the different risk management activities ? Is it possible to prioritize the risk ? 10

Module – III

- 15. a) Describe data integration, user interface integration, and activity integration with respect to CASE tools. 10
- b) What are the different activities in user interface design process ? 10

OR

- 16. a) Draw a general architecture of CASE environment. Explain its important characteristics. 10
- b) What are the advantages and disadvantages of CASE tools ? 10