

**Eighth Semester B.Tech. Degree Examination, November 2015**

**(2008 Scheme)**

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

Time : 3 Hours

Max. Marks : 100

PART – A



Answer **all** questions.

1. How is a software product different from other engineering products ?
2. List the major activities represented by four quadrants of the spiral model.
3. What are the different techniques used to gather requirements ?
4. What are the advantages of function oriented metrics over the size oriented metrics ?
5. Explain different categories of Risks.
6. What is a task network ?
7. What is the role of Software Quality Assurance Group ?
8. What is meant by Software Practitioner's myth ? Explain.
9. How can software metrics improve the quality of software ?
10. 'Adding people to a late software project can make it later.' There are circumstances in which this is true. Explain. **(10x4=40 Marks)**

P.T.O.



## PART – B

Answer **any one** question from **each** module.**(3×20=60 Marks)****Module – I**

11. a) Suggest a process model when the requirements for a job are well understood.  
Explain the pros and cons of this model. 10
- b) What is a software process ? Describe its different characteristics. 10

OR

12. a) Explain in detail ISO 9000 model. 10
- b) Explain the Rapid Application Development model. 10

**Module – II**

13. a) Explain COCOMO model for software estimation. 10
- b) Explain about dynamic testing tools. 10

OR

14. a) Explain equivalence class partitioning with an example. 10
- b) Explain Function Point Analysis. 10

**Module – III**

15. a) Explain the Software Configuration Management (SCM) process. 10
- b) Discuss about different CASE tools. 10

OR

16. a) How is a task set defined for the software project ? 8
- b) What are the reliability factors, influencing the quality of software ? 12