Reg. No. : ....

Name : ....

Eighth Semester B.Tech. Degree Examination, October 2014
(2008 Scheme)
08.801 : SOFTWARE ENGINEERING AND PROJECT MANAGEMENT (R)

Time: 3 Hours   Max. Marks: 100

PART – A

Answer **all** questions. **Each** question carries **4** marks.

1. What is an object point ? Explain how it is useful in estimating project effort ?

2. What do you understand by the term "Life cycle model" of software development ? Discuss its significance.

3. What is 40-20-20 rule of effort distribution ?

4. Define the term concept scoping.

5. Is "tracking" important in scheduling of projects ? Justify your answer.

6. Distinguish between reactive and proactive risk strategies.

7. Differentiate between validation and verification of software.

8. Illustrate the importance of software scope in planning.

9. Give the importance of people in management.

10. When do we use classical life cycle model in a project ? Explain.   **(10×4=40 Marks)**

PART – B

Module – I

11. a) With a neat diagram explain incremental model for software development.   **10**

    b) Explain the different maturity levels of CMM.   **10**

OR

12. a) What are the main activities carried out during requirement analysis and specification ? Discuss the characteristics òf good software requirement specification document. **15**

    b) Bring out the advantages of spiral model over waterfall model. **5**

Module – II

13. a) How are risks classified ? Explain. **10**

    b) Explain validation testing. Give an example illustrating how validation testing is done. **10**

OR

14. a) Define the term software design. What is coupling in the context of software design ? For a good design, modules should have low coupling. What is the reason for this ? **10**

    b) What categories of errors are traceable using black box testing ? Explain black box testing in detail. **10**

Module – III

15. a) Discuss CASE tool and CASE environment. What are the different types of CASE tools used in different phases of software development ? **15**

    b) What is configuration audit ? **5**

OR

16. a) How are changes controlled in software engineering ? **15**

    b) Explain the significance of software configuration management. **5**