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D – 3549

Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, December 2017
(2008 Scheme)**

08.801 : SOFTWARE ENGINEERING AND PROJECT MANAGEMENT (R)

Time : 3 Hours

Max. Marks : 100

PART – A

Answer **all** questions.

1. Why is software engineering important ?
2. What are the drawbacks of RAD model ?
3. Differentiate framework activities and umbrella activities.
4. List out the resources that are estimated to accomplish the software development task.
5. Differentiate cohesion and coupling.
6. What is meant by stepwise refinement ?
7. State how cyclomatic complexity of a program is determined.
8. What are the basic principles of software project scheduling ?
9. Discuss about process decomposition in project management.
10. Explain about the building blocks of CASE. (10×4=40 Marks)

PART – B

Answer **one full** question from **each** Module. (3×20=60 Marks)

Module – I

11. a) Explain about the economic and maintenance aspects of software engineering. 10
b) Which process model is used if the requirements of a problem are well understood ? Explain it with an example. 10

OR

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12. a) What is prototyping ? Explain its significance in software engineering. 10
b) Explain in detail about Capability Maturity Model (CMM). 10

Module – II

13. a) Explain about empirical estimation model. 10
b) Explain how control structures are tested using white box testing. 10

OR

14. a) Enumerate the importance of modular design. Also state how it is achieved effectively. 10
b) What is function point analysis ? Explain its significance with an example. 10

Module – III

15. a) Explain about the management spectrum of project management. 10
b) Describe about the basic concepts of project scheduling. 10

OR

16. a) Explain about change control in software configuration management. 10
b) Explain about the architecture of integrated CASE environment. 10
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