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B – 2667

Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, December 2016
(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 are the disadvantages of Waterfall model ?
2. What is meant by Quality Function Deployment ?
3. What is CMM ?
4. What is meant by Software Requirement Specification ? What is its significance ?
5. What do you mean by analysis model and design model ? How is the analysis model translated into design model ?
6. What is meant by Software Testability ? What are the characteristics which can lead to testable software ?
7. Explain different types of maintenance needed for a software.
8. What is meant by Software Configuration Management ?
9. Explain the rules of user interface design.
10. Differentiate between Democratic – Decentralized (DD), Controlled Decentralized (CD) and Controlled Centralized (CC) software teams.

P.T.O.



PART – B

Answer **one full** question from **each** Module. **Each full** question carries **20** marks.

Module – 1

11. a) Explain the Waterfall Model in detail. 10
b) Explain the principles of Software Requirement Analysis in detail. 10

OR

12. a) What is meant by Prototyping ? What is its significance ? Differentiate between throwaway Prototyping and Evolutionary prototyping. 8
b) Explain the Spiral model in detail. 12

Module – 2

13. a) List out and explain the Software Design principles. 10
b) What is Integration Testing ? Explain the Top-Down Integration Testing and Bottom Up Integration testing in detail. 10

OR

14. a) Write notes on :
i) Recovery testing
ii) Stress testing
iii) Performance testing 12
b) What are the common types of risks which may be encountered as software is developed ? Explain. 8

Module – 3

15. Explain the 4P's of Software Project Management in detail. 20

OR

16. a) Write a detailed note on Integrated CASE Environment. 10
b) Explain the building blocks of CASE in detail. 10
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