

Roll No. 1609012.....

Printed Pages : 2

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BT-6/M12

SOFTWARE ENGINEERING

Paper-CSE-308 Opt. I

Time allowed : 3 hours]

[Maximum marks :100

Note : Attempt five questions selecting at least one question from each unit. All questions carry equal marks.

Unit-I

1. (a) Define software engineering. Explain software characteristics. 10
- (b) Describe in detail different software engineering paradigms. 10
2. (a) Discuss the role of planning in a software project. 10
- (b) Explain different types of team structures. 10

Unit-II

3. (a) Discuss the role of software configuration management in software engineering. 10
- (b) Explain Quality Assurance. 10

(2)

4. (a) Describe software requirement analysis. 10
(b) Write a short note on object oriented analysis. 10

Unit-III

5. Explain the following terms : 20
(a) Object oriented design.
(b) Monitoring and control.
6. (a) Write a short note on exception handling. 10
(b) Explain fault avoidance and fault tolerance with the help of suitable examples. 10

Unit-IV

7. (a) Differentiate between white box and black box testing. 10
(b) Discuss the different software testing strategies. 10
8. (a) Define software maintenance. Explain maintenance characteristics. 10
(b) Write a short note on Computer Aided Software Engineering tools. 10