

5635134

B.Tech. DEGREE EXAMINATION,  
NOVEMBER/DECEMBER 2016.

Fifth Semester

Computer Science and Engineering

SOFTWARE ENGINEERING

(2013-2014 Batches)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

All questions carry equal marks.

1. Define Software Engineering.
2. What is Software life cycle?
3. What are the responsibilities of a Software project manager?
4. What is meant by project planning?
5. What are the characteristics of a good software design?

6. Define coupling.
7. What is meant by object oriented software development?
8. What is UML?
9. What is unit testing?
10. What is meant by Software documentation?

PART B — (5 × 11 = 55 marks)

Answer ALL questions, ONE from each Unit.

All questions carry equal marks.

#### UNIT I

11. Explain the water fall model.

Or

12. Explain the Spiral Model.

#### UNIT II

13. Explain in detail COCOMO.

Or

14. Write a detailed note on Software Configuration Management.

#### UNIT III

15. Explain the role of data flow diagrams in software design.

Or

16. Discuss the different approaches to software design.

#### UNIT IV

17. Explain in detail Use case model.

Or

18. Discuss on object oriented analysis and design methodology.

#### UNIT V

19. Discuss on Black box testing and White box testing.

Or

20. Explain program analysis tools.