

CODE: 17CD05105

M. Tech I Year I Semester Regular Examinations, February 2018

**SOFTWARE ENGINEERING
(CSE)**

Time : 3 hours

Max Marks : 60

Answer all **five** units. (5 x 12 = 60 Marks)

UNIT-I

1. (a) Explain with a neat diagram the process of Software Development Incremental Model.
(b) Describe the risk management process with a neat diagram

OR

2. (a) List and explain the basic principles of Project Scheduling.
(b) List and explain the various COCOMO Models for Estimation.

UNIT-II

3. What is the structure of the Software Requirements Specification Document?

OR

4. Write Short Notes on Petri Nets.

UNIT-III

5. Explain architectural design. Also draw and describe the architectural design of a Packing Robot Control System.

OR

6. Write the various steps in User Interface Designing. What are Interface Design Patterns available for and list the various design issues.

UNIT-IV

7. Explain integration testing as type of testing and also as a phase of testing. List and explain the guidelines on selection of integration methods.

OR

8. What is white box testing? Explain with a neat diagram its classifications.

UNIT-V

9. List and explain various risk types with examples. State the strategies for risks. Also state the potential indicators for all risks

OR

10. (a) List the steps for establishing a Software Metrics Program. Explain with a neat diagram the software metrics baseline process.
(b) List and explain any six process metrics
