

Reg. No: 

**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR**  
(AUTONOMOUS)

**B.Tech III Year I Semester Supplementary Examinations Feb-2021**

**SOFTWARE ENGINEERING & ARCHITECTURE**

(Computer Science and Engineering)

Time: 3 hours

Max. Marks: 60

(Answer all Five Units **5 x 12 = 60** Marks)

**UNIT-I**

1 Explain in detail about water fall model and Problems encountered in it. 12M

**OR**

2 Depict how RAD model and spiral model helps in solving a design issue. 12M

**UNIT-II**

3 Explain in detail about Analysis Model building and Elements of Analysis Model. 12M

**OR**

4 a Explain about Requirement Analysis Models. 6M

b What is Requirement Negotiating and how it is done. Explain the process. 6M

**UNIT-III**

5 a How to create Data Flow Model and draw the notations in flow modeling. 6M

b What is DFD? Explain with an example diagram. 6M

**OR**

6 Explain in detail about Design Concepts. 12M

**UNIT-IV**

7 What is Software Cost Estimation? Explain with COCOMA model 12M

**OR**

8 Explain in detail about Risk Management with diagram. 12M

**UNIT-V**

9 Depict the working principle of shared information systems. 12M

**OR**

10 a Explain about Data Abstraction. 6M

b Explain about Object-Oriented Organization. 6M

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