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

**B.Tech III Year I Semester Supplementary Examinations November-2020**

**SOFTWARE ENGINEERING & ARCHITECTURE**

(Computer Science & Engineering)

Time: 3 hours

Max. Marks: 60

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

**UNIT-I**

1 What is CMMI? Explain about CMMI models in detail. 12M

**OR**

2 Explain in brief about Unified Process Model with neat diagram. 12M

**UNIT-II**

3 Define Requirements Engineering and explain Requirements Engineering Tasks in detail. 12M

**OR**

4 a Explain in detail about Modeling (Analysis) Principles/Practices. 6M

b Explain in detail about Modeling (Design) Principles/Practices. 6M

**UNIT-III**

5 State and Explain the Golden Rules in User Interface Design. 12M

**OR**

6 a Explain about C-Spec & P-Spec and how it helps in solving design issues? 6M

b What is Architectural Design? Why it is important in building software? 6M

**UNIT-IV**

7 a What is Software Testing and why it is done? 6M

b Write in detail about Integration testing. 6M

**OR**

8 Explain in detail about Black box testing. 12M

**UNIT-V**

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

**OR**

10 Describe Interpreters & Process Control architectures. 12M

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