Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech III Year II Semester Supplementary Examinations July-2021
SOFTWARE ENGINEERING & TESTING
(Computer Science & Information Technology)

Time: 3 hours   Max. Marks: 60

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

UNIT-I

1   a   What is meant by layered technology? Explain briefly.   **6M**

    b   Explain in detail the Capability Maturity Model Integration (CMMI).   **6M**

OR

2   Explain briefly concurrent development model with a neat diagram.   **12 M**

UNIT-II

3   a   Explain briefly the requirement engineering tasks negotiation and specification   **7M**

    b   Describe various elements of analysis model.   **5M**

OR

4   What is meant by software engineering practice? Explain briefly various software Engineering practices.   **12M**

UNIT-III

5   What is data modeling? Explain briefly data modeling concepts.   **12M**

OR

6   Explain with a diagram the flow-oriented modeling and how a data flow model can be designed.   **12M**

UNIT-IV

7   What is testing? Explain briefly the purpose of testing and the phases of testing   **12M**

OR

8   a   Write a short Note on Consequences of Bugs   **6M**

    b   Discuss about Flow graphs and Path Testing   **6M**

UNIT-V

9   Discuss nice domains and ugly domains.   **12M**

OR

10   Draw and explain two-dimensional domain bugs.   **12M**

*** END ***