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

B.Tech III Year I Semester Supplementary Examinations August-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 Write in detail about any two specialized software process models. 12M

OR

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

UNIT-II

- 3 a List out the seven core principles of Software Engineering. 6M

- b What is SE practice and explain the essence or nature of SE Practice. 6M

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 Explain the concepts of Object Oriented Analysis in detail. 12M

OR

- 6 a What is use case diagram and write the steps in creating it. 6M

- b Draw the use case diagram for ATM system. 6M

UNIT-IV

- 7 Explain in detail White box testing. 12M

OR

- 8 a What is the difference between Verification and Validation? Distinguish it. 6M

- b Explain about Art of debugging. 6M

UNIT-V

- 9 a Explain how Database Integration works. 6M

- b Explain how Integration in Software Development Environments functions. 6M

OR

- 10 Explain about Interpreters & Process Control architectures. 12M

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