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

B.Tech III Year I Semester Supplementary Examinations December-2021

Software Engineering & Architecture
(Computer Science & Engineering)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

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| 1 | a Explain the term Software Engineering – A Layered Technology | L1 | 6M |
| | b Explain about PSP & TSP framework activities. | L1 | 6M |

OR

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| 2 | Depict how RAD model and spiral model helps in solving a design issue. | L2 | 12M |
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UNIT-II

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|---|---|----|----|
| 3 | a List out the seven core principles of Software Engineering. | L1 | 6M |
| | b Explain the procedure to initiate the RE process. | L1 | 6M |

OR

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| 4 | a Explain in detail about Planning Principles/Practices. | L1 | 6M |
| | b What is Requirement Negotiating and how it is done. Explain the process. | L2 | 6M |

UNIT-III

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| 5 | What is activity diagram? Draw the activity diagram for ATM system. | L2 | 12M |
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OR

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| 6 | a Explain the concepts of Object Oriented Analysis. | L1 | 6M |
| | b Write about quality attributes. | L1 | 6M |

UNIT-IV

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| 7 | a What is Software Testing and why it is done? | L2 | 6M |
| | b Write in depth about Unit testing. | L2 | 6M |

OR

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| 8 | Explain in detail about Risk Management with diagram. | L1 | 12M |
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UNIT-V

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|---|--|----|----|
| 9 | a What is Software Architecture and why is it required in building software? | L2 | 6M |
| | b What are the attributes of quality software? | L2 | 6M |

OR

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| 10 | Depict the working principle of shared information systems. | L1 | 12M |
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