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

MCA II Year II Semester Regular Examinations July-2021

SOFTWARE ENGINEERING

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a Explain the levels in CMMI Model. L2 6M
b Explain software engineering practices and principles L5 6M

OR

- 2 a Identify the importance of Incremental Process model. L3 6M
b Explain spiral model with suitable example. L5 6M

UNIT-II

- 3 Define and explain functional and non-functional requirements. What are the importances of requirement modeling? L1 12M

OR

- 4 a Briefly explain scenario based modeling L1 6M
b What is class based modeling? Explain. L3 6M

UNIT-III

- 5 a Clearly explain Architecture Design. L2 6M
b Discuss about Architecture and its importance. L3 6M

OR

- 6 Discuss about Component level design for web and mobile apps and discuss briefly about component based-development. L6 12M

UNIT-IV

- 7 What are the Test strategies for conventional, object oriented software. L1 12M

OR

- 8 a What are Software testing fundamentals? L1 6M
b Discuss about White-Box testing. L6 6M

UNIT-V

- 9 Identify what are Metrics for software quality? Explain. L3 12M

OR

- 10 a Define and explain Software Reengineering. L1 6M
b Identify the importance of software reengineering process model L3 6M

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