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**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)****MCA II Year II Semester Supplementary Examinations Nov/Dec 2019
SOFTWARE ENGINEERING**

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a What are the different layers in software engineering? Discuss detail. **7M**
b Describe the process patterns. **5M**

OR

- 2 a Explain about RAD model. **6M**
b What is agile process? Explain extreme programming agile process model. **6M**

UNIT-II

- 3 a Explain the requirement validation. **6M**
b Explain Web App based modeling. **6M**

OR

- 4 a Explain about requirement elicitation and requirement validation. **6M**
b Explain the software requirement specification. **6M**

UNIT-III

- 5 a What is architecture and explain its importance. **6M**
b Explain the class based component design. **6M**

OR

- 6 a Briefly explain about user interface design. **6M**
b Explain pattern based software design. **6M**

UNIT-IV

- 7 a Explain about art of debugging. **6M**
b Explain about object oriented testing. **6M**

OR

- 8 a Explain the difference between white box and black box testing. **6M**
b Discuss about various types of system tests. **6M**

UNIT-V

- 9 a What is a metric? What are the metrics for the software quality. **6M**
b Explain about reengineering activities. **6M**

OR

- 10 a Explain about umbrella activities? **6M**
b Explain software quality assurance. **6M**

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