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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)**MCA II Year I Semester Regular & 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 Explain the evolving role of software. **6M**
b Write about “Capability Maturity Model “integration (CMM). **6M**

OR

- 2 a Explain in detail about waterfall model. **6M**
b Explain about incremental model. **6M**

UNIT-II

- 3 a What are functional and non-functional requirements? **6M**
b Describe the importance of SRS. **6M**

OR

- 4 a Explain Web App based modeling. **6M**
b What is class based modeling. **6M**

UNIT-III

- 5 a Explain about design of concepts. **6M**
b Explain about architectural styles. **6M**

OR

- 6 a Explain the advantages of design patterns. **5M**
b Explain the method of class based designing. **7M**

UNIT-IV

- 7 a Explain loop testing and its advantages. **6M**
b Explain the importance of Black box testing. **6M**

OR

- 8 Explain about basis path testing method with an example. **12M**

UNIT-V

- 9 a Discuss the size oriented metrics. **6M**
b What is software reengineering process? Explain. **6M**

OR

- 10 a Discuss about Metrics for the design model. **6M**
b Briefly describe the umbrella activities. **6M**

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