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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR**(AUTONOMOUS)****MCA III year I Semester Supplementary Examinations Feb-2021****DESIGN PATTERNS**

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a Explain Design Patterns in Smalltalk MVC. 6M
 b Explain Catalog. 6M

OR

- 2 a Explain Organizing the Catalog. 6M
 b Describe Design Patterns. 6M

UNIT-II

- 3 a Explain how Design Pattern supports Multiple Window Systems. 8M
 b Explain User Operations Spelling Checking and Hyphenation. 4M

OR

- 4 a Explain Embellishing the User Interface. 7M
 b Explain Summary. 5M

UNIT-III

- 5 a Explain Abstract Factory. 6M
 b Explain Factory Method. 6M

OR

- 6 a Explain Prototype and Singleton. 5M
 b Explain Discussion of Creational Patterns. 7M

UNIT-IV

- 7 a Explain Adapter. 6M
 b Explain Bridge. 6M

OR

- 8 a Explain Composite. 6M
 b Explain Decorator. 6M

UNIT-V

- 9 a Explain Chain of Responsibility. 6M
 b Explain Mediator. 6M

OR

- 10 a Explain Template method. 6M
 b Explain Visitor. 6M

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