R19

Reg. No:

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
MCA III Year I Semester Regular Examinations Febuary-2022
DESIGN PATTERNS

Time: 3 hours   Max. Marks: 60

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

UNIT-I

1	List the different sections of design patterns. Explain about them.	L1	12M
	OR		
2	Explain in detail about use and organizing the Design pattern.	L1	12M

UNIT-II

3	a	Explain the supporting Multiple Window Systems.	L2	6M
	b	Explain the Embellishing the user interface.	L2	6M
		OR		
4		Consider any application of Case study? How to support the Document editor design patterns?	L1,L2	12M

UNIT-III

5	a	List and explain the implementation issues of factory method.	L2	6M
	b	Give brief description about the singleton creational pattern.	L1	6M
		OR		
6		Explain in details about the Consequence & Collaboration of Factory Method with demonstration an example.	L1,L2	12M

UNIT-IV

7	a	What is the motivation and design a structure of application using adapter pattern? Explain it in detail.	L4	6M
	b	Explain the applicability and structure of a bridge design pattern.	L2	6M
		OR		
8	a	Draw and explain the structure and object diagram for flyweight pattern.	L2	6M
	b	Describe briefly about the implementation issues of a proxy pattern.	L2	6M

UNIT-V

9	a	What is an Iterator design pattern? Consider any application to implement design architecture of Iterator design pattern.	L2,L3	6M
	b	Explain behavioral patterns for chain of responsibility pattern.	L2	6M
		OR		
10		Explain in detail memento design pattern.	L2	12M

*** END ***