Reg. No: | | | | | | | | | | | |

SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)
B.Tech IV Year I Semester Regular Examinations February-2022
SOFTWARE DEVELOPMENT & TESTING
(Open Elective -III)

Time: 3 hours   Max. Marks: 60

PART-A
(Answer all the Questions 5 x 2 = 10 Marks)

1	a	Define software and list characteristics of software.	L1	2M
	b	Discuss three types of requirements.	L6	2M
	c	Elaborate MVC.	L6	2M
	d	Define verification and validation.	L1	2M
	e	Explain software quality.	L5	2M

PART-B
(Answer all Five Units 5 x 10 = 50 Marks)
UNIT-I

2	a	Discuss characteristics of software.	L1	5M
	b	Determine essence of practice in software engineering.	L2	5M

OR

3	Explain in detail about the waterfall model and incremental model and problems encountered with them.	L5	10M

UNIT-II

4	Illustrate Eliciting Requirements in software requirements gathering.	L2	10M

OR

5	List out various types of Architectural styles briefly.	L4	10M

UNIT-III

6	a	Briefly explain about user interface design.	L5	5M
	b	Explain interface design workflow for WebApps.	L2	5M

OR

7	a	Explain the rules of user interface design.	L5	5M
	b	Explain the steps involved in WebApp Interface Design.	L2	5M

UNIT-IV

8	a	Discuss the process of art of debugging.	L2	5M
	b	What is need of beta testing?		5M

OR

9	Compare white box testing and Black box testing.	L2	10M

UNIT-V

10	Define software quality assurance. Explain advantages and disadvantages.	L1	10M

OR

11	Discuss about software testing lifecycle.	L1	10M

END