**SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR**
(AUTONOMOUS)
**B.Tech III Year I Semester Supplementary Examinations June-2024**
**SOFTWARE ENGINEERING**
(Computer Science and Engineering)

Time: 3 Hours

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

Max. Marks: 60

### UNIT-I

| | | | | | |
|---|---|---|---|---|---|
| 1 | | Define software and Describe the characteristics of software. | CO1 | L2 | 12M |

**OR**

| 2 | a | What is Agility? Illustrate any four Agile Process Models. | CO1 | L1 | 6M |
|---|---|---|---|---|---|
| | b | Write a note on Agile Unified Process. | CO1 | L3 | 6M |

### UNIT-II

| 3 | | Define Requirement Engineering and explain about Requirements Engineering Tasks. | CO2 | L1 | 12M |
|---|---|---|---|---|---|

**OR**

| 4 | | Explain how to create a Behavioral Model with a use case diagram. | CO2 | L5 | 12M |
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### UNIT-III

| 5 | | What is Architecture? Explain briefly about Architecture Genres. | CO3 | L2 | 12M |
|---|---|---|---|---|---|

**OR**

| 6 | | Explain the following:<br>(i) Design process. ii) Design model. iii) Design concepts. | CO3 | L3 | 12M |
|---|---|---|---|---|---|

### UNIT-IV

| 7 | | Examine the elements of interface analysis with examples. | CO4 | L4 | 12M |
|---|---|---|---|---|---|

**OR**

| 8 | a | Define five quality attributes of WebApp Design. | CO4 | L1 | 6M |
|---|---|---|---|---|---|
| | b | Discuss set of Design goals in WebApp. | CO4 | L6 | 6M |

### UNIT-V

| 9 | a | Discuss the process of Art of debugging. | CO5 | L6 | 6M |
|---|---|---|---|---|---|
| | b | What is the need of beta testing? | CO5 | L1 | 6M |

**OR**

| 10 | a | Write a short note on fundamentals of software testing. | CO5 | L3 | 6M |
|---|---|---|---|---|---|
| | b | Describe briefly about White box testing. | CO5 | L2 | 6M |

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