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SIDDHARTH INSTITUTE OF ENGINEERING & TECHNOLOGY:: PUTTUR
(AUTONOMOUS)

B.Tech III Year II Semester Supplementary Examinations March-2021

OBJECT ORIENTED ANALYSIS AND DESIGN

(Common to CSE & CSIT)

Time: 3 hours

Max. Marks: 60

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

UNIT-I

- 1 a Describe the modeling system architecture of UML. 6M
b Discuss about structural modeling. 6M

OR

- 2 a What are the steps of software development life cycle? 7M
b Explain the relationships in the UML. 5M

UNIT-II

- 3 a Explain modeling the distribution of responsibilities in a system. 7M
b Specify the role and importance of interfaces. 5M

OR

- 4 a Compare advanced structural modeling with basic structural modeling. 8M
b How do you model Non software things? 4M

UNIT-III

- 5 a What is the significance of activity diagram? 6M
b Design an activity diagram for hostel management. 6M

OR

- 6 a Explain the terms and concepts of object diagram with suitable examples. 8M
b Distinguish between sequence and collaboration diagrams. 4M

UNIT-IV

- 7 a Justify and describe the terms and concepts of Time and Space. 8M
b List out modeling multiple flows of control. 4M

OR

- 8 a Describe the terms and concepts of events with an example. 6M
b How many types of modeling objects that migrate? Explain. 6M

UNIT-V

- 9 a Elaborate modeling an API. 7M
b Explain Mapping between logical and physical models. 5M

OR

- 10 a Describe the importance of deployment diagram with an example. 6M
b Apply and discuss the technique behind modeling the source code. 6M

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