R09

Code No: F3503
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
MCA V Semester Examinations, August - 2017
OBJECT ORIENTED ANALYSIS AND DESIGN (USING UML)
Time: 3hrs   Max.Marks:60

Answer any five questions
All questions carry equal marks
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1.   What is the UML? Discuss the importance of modeling and principles of modeling?   [12]

2.   State and explain various types of relationships in the UML. Give suitable example to each of them.   [12]

3.   What are the common modeling techniques for class diagram? Explain them with suitable examples.   [12]

4.a)   Discuss the significance of the object diagrams.
   b)   Define the term usecase. Explain about usecase description with a suitable example.   [6+6]

5.   What are the common modeling techniques of use case diagrams? Explain them with suitable examples.   [12]

6.a)   Distinguish between state chart diagram and activity diagram.
   b)   Discuss how to model time in UML give suitable example.   [6+6]

7.a)   What is an event? Discuss various types of events and how to model them in UML.
   b)   Explain about artifact diagrams.   [6+6]

8.   Write short notes on the following:
        a) Component diagram
        b) Types and roles
        c) Packages.   [12]

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