

**R17**

Code No: 843AD

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD**

**MCA III Semester Examinations, October/ November - 2020**

**OBJECT ORIENTED ANALYSIS AND DESIGN USING UML**

**Time: 2hours**

**Max.Marks:75**

**Answer any five questions**  
**All questions carry equal marks**

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1. What are the things in the UML? Explain them by writing notations to each of them. [15]
2. Explain the software development life cycle. [15]
- 3.a) What are the common mechanisms in UML?  
b) Explain about forward engineering of class diagram with a suitable example. [15]
4. What is meant by types and roles? Discuss their significance in modeling. [15]
5. Explain about forward engineering of activity diagram with a suitable example. [15]
6. What are the common modeling techniques of use case diagrams? Explain them. [15]
7. Distinguish between state chart and activity diagrams. [15]
8. Draw the design class diagram for the unified library application. [15]

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