

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)  
B. Tech. Sem - IV Computer Science & Business Systems : WINTER : 2023  
SUBJECT : ITC-II: SOFTWARE DESIGN WITH UML

Day : Friday

Date : 24-11-2023

W-24156-2023

Time : 02:30 PM-05:30 PM

Max. Marks : 60

**N.B.:**

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.

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- Q.1** Draw and Explain Software Engineering water fall model in detail. (10)  
OR  
Different Between Water fall model AND Spiral model. (10)
- Q.2** What is UML? Draw and explain Class diagram with any one example. (10)  
OR  
What is Requirements analysis? Explain with any one example S/W Requirements. (10)
- Q.3** Draw and explain Sequence diagram with Library Management System. (10)  
OR  
Draw and Explain Use Case Diagram Online ATM Machine System. (10)
- Q.4** Draw & Explain a Class diagram for Online Railway Reservation System. (10)  
OR  
Define The Term: a) Sequence Diagram, b) Interaction Diagram. (10)
- Q.5** What is Activity Diagram? Explain with Purpose of Activity Diagram with any one example. (10)  
OR  
Explain about Forking and Joining concepts in Activity diagram with any one example. (10)
- Q.6** Draw and Explain Physical and Logical Aspect in detail. (10)  
OR  
What is Deployment Model? Draw any one diagram for deployment. (10)

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