

Computer Science & Business Systems
BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - IV CS&BS : WINTER: 2025
SUBJECT: ITC-II: SOFTWARE DESIGN WITH UML

Day : Wednesday
Date : 03/12/2025

W-24156-2025

Time : 10:00 AM-01:00 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 waterfall model in detail. (10)
OR
Draw and Explain Software development life cycle in detail. (10)
- Q.2** Draw and Explain Software development life cycle in detail. (10)
OR
What is Class diagram? Define Association and Aggregation in class. Draw any one example of class diagram using Association and Aggregation. (10)
- Q.3** Draw and explain Sequence diagram with Hospital Management System. (10)
OR
Draw and Explain in detail Use Case diagram for placing Purches Order. (10)
- Q.4** List Structure and Dynamic UML diagram and state Purpose of each diagram in detail. (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 Admission process for First Year 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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