

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

Day : Friday

Time : 10:00 AM-01:00 PM

Date : 02-06-2023

S-24156-2023

Max. Marks : 60

N.B.:

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

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- Q.1** What is the Differences between UML and OOAD? Explain in detail. (10)
- OR**
- Draw and Explain Software development life cycle in detail. (10)
- Q.2** What is Class diagram? Define Association and Aggregation in class. Draw any one example of class diagram using Association and Aggregation. (10)
- OR**
- What is USE Case diagram? Write using components of USE Case diagram. Draw ATM Machine of Use case diagram. (10)
- Q.3** Explain the concept of Generalization and Inheritance using class diagram with suitable example. (10)
- OR**
- Draw and Explain in detail Sequence diagram for placing Purches Order. (10)
- Q.4** List Six UML diagram and state Purpose of each diagram in detail. (10)
- OR**
- Draw and Explain in detail Activity Diagram for withdrawing money from ATM machine. (10)
- Q.5** Explain the components of state chat diagram with draw state chart diagram for railway reservation system. (10)
- OR**
- What is dynamic model? State it's Purpose with Suitable example. (10)
- Q.6** Define the Term: a) UML Environmental, b) Deployment Model. (10)
- OR**
- Define the Term: a) Logical Aspect, b) Physical Aspect. (10)

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