

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - IV COMPUTER SCIENCE & BUSINESS SYSTEM : WINTER : 2024
SUBJECT: ITC-II: SOFTWARE DESIGN WITH UML

Day : Wednesday
Date : 27/11/2024

W-24156-2024

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.
- 3) Assume suitable data **WHEREVER** necessary.
- 4) Draw neat labeled diagrams **WHEREVER** necessary.

Q.1 Differentiate Between Water Fall Model & Spiral Model. Draw and Explain Water Fall Model in detail. **(10)**

OR

Q.1 What is a SDLC? Draw and Explain Software Development Process in detail. **(10)**

Q.2 Write a Steps Requirement Analysis for Online Banking System. Draw Use Case Diagram for Online Banking System. **(10)**

OR

Q.2 What is Static Structure Diagram? Draw and explain Hotel Management System for Class Diagram. **(10)**

Q.3 Describe Interaction diagram. Write purpose and goal of interaction diagram with any one example. **(10)**

OR

Q.3 Describe the process of finding objects in sequence and collaboration diagram with any one example. **(10)**

Q.4 What is software testing? Explain White box and Black box testing. **(10)**

OR

Q.4 What is UML? Draw and explain package diagram using client server architecture **(10)**

Q.5 What is Activity diagram? Write purpose and goal of activity diagram with any example. **(10)**

OR

Q.5 Draw and explain online admission process using activity diagram. **(10)**

Q.6 Draw and explain Physical and Logical aspect in detail. **(10)**

OR

Q.6 Draw and explain UML Environment in detail. **(10)**

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