

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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