

BACHELOR OF TECHNOLOGY (CBCS - 2023)
B. Tech. Sem-III Computer Science & Engineering : WINTER: 2025
SUBJECT: OBJECT ORIENTED METHODOLOGY

Day : Friday
Date : 19/12/2025

W-29205-2025

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.
- 3) Draw neat and labeled diagram **WHEREVER** necessary.
- 4) Assume suitable data if necessary.

Q.1 What is Object Oriented Programming? Explain class and objects with simple Java Program? (10)

OR

Q.1 Explain Primitive data types in detail with sample java program. (10)

Q.2 Describe different access modifiers in java programming with example. (10)

OR

Q.2 What is package? Explain how to create user defined package in java with example. (10)

Q.3 What is constructor overloading? Write a java program to implement constructor overloading. (10)

OR

Q.3 Explain following string handling technique: (10)

- a) Immutable string
- b) String comparison
- c) String concatenation
- d) substring

Q.4 Define Inheritance. Explain types of inheritance with example? (10)

OR

Q.4 Describe super keyword in Java & write super keyword usage in Java with example? (10)

Q.5 Illustrate the importance of exception handling in Java? Define and distinguish between checked and unchecked exceptions. (10)

OR

Q.5 Demonstrate concept of threads in Java. Explain thread life cycle in details with its architecture? (10)

Q.6 What is Applet? Differentiate between Java Application and Java Applet. (10)

OR

Q.6 What is swing component? Explain any three components of swing with syntax and example. (10)

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