

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

Day: Monday
Date : 19/05/2025

S-29205-2025

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

Q.1 Explain different operators in Java and write a Java program that include Arithmetic, Logical, Bitwise and Relational Operator. (10)

OR

Q.1 Explain following terms: (10)

- a) JDK
- b) JVM
- c) JRE

Q.2 What is Method in java? Explain parameterized method in java with suitable example? (10)

OR

Q.2 Write a Java program to create a class person with public variables name, age and country. Create methods to print data and access data using object creation. (10)

Q.3 Define constructor. Explain types of constructor with example? (10)

OR

Q.3 Differentiate between String, StringBuffer and StringBuilder classes. Write a Java program to check whether the given string is palindrome or not. (10)

Q.4 What is Polymorphism? Explain types of polymorphism in detail? (10)

OR

Q.4 Describe method overriding. Write a Java Program to implement method overriding? (10)

Q.5 What is exception handling in java? Explain try, catch, finally block with example? (10)

OR

Q.5 Describe methods of creating a thread with example. (10)

Q.6 Define applet in Java. Explain Applet Life Cycle in Java with architecture. (10)

OR

Q.6 Describe AWT and its role in building GUI-based applications in Java. (10)

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