

BACHELOR OF TECHNOLOGY (CBCS - 2023)
B. Tech. Sem-II COMPUTER SCIENCE & ENGINEERING AI & ML : SUMMER : 2024
SUBJECT: OBJECT ORIENTED PROGRAMMING

Day : Monday
Date : 03/06/2024

S-27704-2024

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

Q.1 Explain the term polymorphism with suitable program. (10)

OR

Q.1 Explain all types of inheritance with suitable example. (10)

Q.2 Write a program that shows the use of default, parameterized and copy constructor. (10)

OR

Q.2 State any five differences between method overloading and method overriding. Write a suitable program for both concepts. (10)

Q.3 How do you declare a two dimensional array in Java? Give an example. (10)

OR

Q.3 Explain the methods of the Vector class and constructor of a Vector class in detail? (10)

Q.4 Write a program that shows the use of multilevel inheritance mechanism. (10)

OR

Q.4 How does java incorporate the concept of polymorphism? Give one example. (10)

Q.5 What is the purpose of the finally clause of a try-catch-finally statement? (10)

OR

Q.5 Draw and explain the Thread lifecycle. (10)

Q.6 Explain life cycle of an applet. (10)

OR

Q.6 Describe the AWT event hierarchy. (10)
