

BACHELOR OF TECHNOLOGY (CBCS - 2023)
B. Tech. Sem-II Computer Science & Engineering-AI & ML : WINTER : 2024
SUBJECT: OBJECT ORIENTED PROGRAMMING

Day : Wednesday
Date : 27/11/2024

W-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 Differentiate between Procedural and Object-Oriented programming and write the features of Java. (10)

OR

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

Q.2 Write separate program for method overloading and method overriding mechanism. (10)

OR

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

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

OR

Q.3 Explain the methods available under String and String Buffer Class. (10)

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

OR

Q.4 What are the types of inheritance? How is multiple inheritance achieved in Java? (10)

Q.5 Explain the different ways to handle exceptions. (10)

OR

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

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

OR

Q.6 How do we pass parameters to an applet? Give one example. (10)
