

BACHELOR OF TECHNOLOGY (CBCS - 2023)
B. Tech. Sem-II IT : WINTER : 2024
SUBJECT: OBJECT ORIENTED PROGRAMMING

Day : Wednesday
Date : 27/11/2024

W-27746-2024

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) Use of **CALCULATOR** is allowed.
- 4) Draw neat and labeled diagrams **WHEREVER** necessary.

- Q.1 Enlist and explain the features of object-oriented programming languages. (10)
- OR
- Q.1 Explain Data conversion with its types using suitable example. (10)
- Q.2 Explain Function overloading with suitable example. (10)
- OR
- Q.2 Demonstrate Encapsulation with suitable example. (10)
- Q.3 Explain Unary operator overloading with suitable example. (10)
- OR
- Q.3 Explain array with its unique features. (10)
- Q.4 What is inheritance? Explain access modifiers used in inheritance. (10)
- OR
- Q.4 Explain virtual base class and abstract class with suitable example. (10)
- Q.5 Explain file stream operations with suitable example. (10)
- OR
- Q.5 Explain two types of console I/O operations with suitable example. (10)
- Q.6 Explain exception handling mechanism with suitable example. (10)
- OR
- Q.6 Explain class template with multiple parameters. (10)

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