

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
B. Tech. Sem - III COMPUTER SCIENCE & BUSINESS SYSTEM : WINTER : 2023
SUBJECT : OBJECT ORIENTED PROGRAMMING

Day : Thursday
Date : 7/12/2023

W-24144-2023

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 well labelled diagrams **WHEREVER** necessary.

Q.1 Define preprocessor directives of C? List and explain types of preprocessor directive with suitable example. (10)

OR

Define concept of pointer? Write any program using pointer as a structure variable.

Q.2 Define Namespace. Explain concept of creating class in namespace with suitable example. (10)

OR

Describe in detail concept of Enumeration. Also describe the various limitation of Enum with suitable example.

Q.3 Describe fundamental concept of OOP with suitable example. (10)

OR

Define class and object? How to define member function inside and outside of class explain it with the help of suitable example.

Q.4 Describe the terms public, private and protected with the help of suitable example? (10)

OR

Define friend function. Write features of friend function. How to make all functions of a one class friend to another class. Explain it with suitable example.

Q.5 How Run time polymorphism is achieved using virtual function explain it with suitable example. (10)

OR

Describe concept of Hierarchical Inheritance. Write a program which shows working of Hierarchical Inheritance.

Q.6 Describe various file handling library functions with the help of suitable example. (10)

OR

Define concept of class template? Write a program to show the concept of class template.

* * * * *