

BACHELOR OF TECHNOLOGY (CBCS) (2021-COURSE)
Computer Science & Business Systems
B. Tech. Sem - III :SUMMER : 2023
SUBJECT : OBJECT ORIENTED PROGRAMMING

Day : Friday

Time : 02:30 PM-05:30 PM

Date : 12-05-2023

S-24144-2023

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 labeled diagrams **WHEREVER** necessary.

Q.1 List and explain math library function with suitable example. (10)

OR

Q.1 How array is defined and initialized in C? Write program for bubble sorting using pass by array argument to the function. (10)

Q.2 Describe the concept of Inline function. Also list its limitation and differentiate between Inline and Macro. (10)

OR

Q.2 List and explain newly added data types of C++ with suitable example. (10)

Q.3 Explain basic features of Object Oriented Programming. Also write application at OOP. (10)

OR

Q.3 Differentiate between C & C++. (10)

Q.4 Describe the concept of constructor and destructor in detail. Give suitable example of it. (10)

OR

Q.4 Describe the use of 'this' keyword. Write example using 'this' keyword. (10)

Q.5 Define virtual base class. Why there is need to create base class as virtual. Explain it with suitable example. (10)

OR

Q.5 Describe with suitable example the terms of C++ public, private and protected. (10)

Q.6 Describe in detail unformatted and formatted I/O operations in file handling. (10)

OR

Q.6 Define function template. Explain how parameters are passed to function using concept of function template. (10)
