

Bachelor of Science (B.Sc.-II) (CBCS Pattern) Third Semester CBCS
USCST06-Computer Science Paper-II : Object Oriented Programming With C++

P. Pages : 2

Time : Three Hours



GUG/W/18/11603

Max. Marks : 50

Notes : 1. All questions are compulsory and carry equal marks.

1. Either:

- a) What is Function? Explain Function Prototyping in C++. **5**
- b) Explain the function overloading for addition of 2 numbers with the combination of real and integer data type. **5**

OR

- c) What do you mean by inline function? Differentiate between normal function and inline function. **5**
- d) Explain the difference between call by value and call by reference with suitable example. **5**

2. Either:

- a) Differentiate between procedural programming and object oriented programming. **5**
- b) Explain the following with suitable example. **5**
- i) Class ii) Object

OR

- c) What are static data members? Explain the advantages of static data members and member functions. **5**
- d) Distinguish between private and public access specifier. **5**

3. Either:

- a) What is constructor? Explain multiple constructor with example. **5**
- b) What is operator overloading? Explain with suitable example. **5**

OR

- c) Explain derived class with suitable example. **5**
- d) Write a note on: **5**
- i) Multiple inheritance ii) Multilevel inheritance

4. Either:
- a) Write a note on open() function in file handling. 5
 - b) Write a program to demonstrate pure virtual function. 5

OR

- c) Write usage of new and delete operator using suitable program. 5
- d) What do you mean by Friend Function? What are the rules for Friend Function. 5

5. Attempt all the questions.

- a) Write a C++ program to determine given number is prime or not. 2½
- b) How to create objects in C++. 2½
- c) Write a note on const. objects. 2½
- d) What does the term ** j means. 2½
