

B.Sc.-II (CBCS Pattern) Semester - III
**USCST06 - Computer Science Paper-II : Object Oriented Programming
with C++**

P. Pages : 2

Time : Three Hours



GUG/S/23/11603

Max. Marks : 50

Note : All questions are compulsory and carry equal marks.

Either:

1. a) Write syntax, purpose and example of following statement if – else statement. 5
- b) Write a C++ program to enter the marks of three subjects. Calculate total marks and percentage of marks. 5

OR

- c) Explain the term – default and constant arguments. 5
- d) What is overloading? Explain function overloading in detail. 5

Either:

2. a) Differentiate between procedural programming and object oriented programming. 5
- b) Explain the term with suitable example “objects as a function arguments”. 5

OR

- c) Write note on member function define inside class. 5
- d) Explain in detail static member function. 5

Either:

3. a) Write a C++ program to demonstrate destructor. 5
- b) Explain single inheritance. 5

OR

- c) Write rules for constructor in C++. 5
- d) Write a C++ program to overload unary plus operator. 5

Either:

4. a) Write syntax, purpose and example of new operator. 5
b) Explain file mode parameters in C++. 5

OR

- c) Write a C++ program using 'new' and 'delete' operator. 5
d) Write note on command line arguments. 5
5. Solve **all** questions.
- a) Write rules for variables in C++. 2½
b) Write the application of OOPs. 2½
c) What are the types of inheritance. 2½
d) Write purpose of seekg() and tellg() function. 2½
