

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

P. Pages : 2

Time : Three Hours



GUG/W/24/11603

Max. Marks : 50

- Notes :
1. All questions are compulsory and carry equal marks.
 2. Draw neat and labelled diagram wherever necessary.
 3. Avoid vague answer and write specific answers related to questions.

Either:

1. a) Explain Inline function with suitable example. 5
- b) What is array? Explain how array is declared? 5

OR

- c) Explain the term-default and constant arguments. 5
- d) Write a C++ Program to demonstrate “Sum()” function overload for 5
i) Two integer arguments ii) Two real arguments.

Either:

2. a) Define a class student having members roll-no, name and age write member function 5
accept & display to accept values & display.
- b) Write a program to demonstrate static data members. 5

OR

- c) What is access specifier? Explain with suitable example. 5
- d) Explain the concept of array of objects with suitable example. 5

Either:

3. a) What is constructor? Explain multiple constructor with example. 5
- b) Explain derived class with suitable example. 5

OR

- c) Explain operator overloading with suitable example. 5
- d) Define inheritance. Explain single inheritance with suitable example. 5

Either:

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|-----------|----|--|----------|
| 4. | a) | Write usage of new and delete operator using suitable program. | 5 |
| | b) | Explain Error Handling during file operations. | 5 |

OR

- | | | | |
|-----------|----|--|-----------|
| | c) | Explain virtual function with suitable example. | 5 |
| | d) | Write a program to read a text file and display content on the screen. | 5 |
| 5. | | Attempt all the questions. | |
| | a) | Write a short note on call by reference. | 2½ |
| | b) | Write the characteristics OOPs. | 2½ |
| | c) | List the rules for operator overloading. | 2½ |
| | d) | Explain command line arguments. | 2½ |
