

Day & Date	Semester	Subject Name	Time	Code	Marks
Thursday 05/04/2018	IV (Fresh)	Object Oriented Programming using C++	11.00 AM To 01.30 PM	4104	75

Instruction:

- I) Question No. 1 is compulsory
- II) Attempt any 4 questions from Question No.2 to Question No. 8
- III) Figure to right indicates full marks

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| Q1) | Explain following terms | 15 |
| | a) inline function | |
| | b) friend function | |
| | c) get() and put() functions | |
| Q2) | a) What is difference between member functions defined inside and outside the body of a class? | 5 |
| | b) What are manipulators? List the various predefined manipulators supported by C++ I/O streams | 10 |
| Q3) | a) Explain the exception handling concept with try, catch and throw statement with example | 10 |
| | b) Differentiate between C and C++ | 5 |
| Q4) | a) Explain Abstract with example | 7 |
| | b) Explain pure virtual function with example | 8 |
| Q5) | a) Explain the use of 'this' pointer with example. | 8 |
| | b) Explain catching mechanism in detail. | 7 |
| Q6) | a) Explain multilevel inheritance with example. | 8 |
| | b) Explain the structure of c++ program with example | 7 |
| Q7) | a) Write a program for overloading a function template. | 8 |
| | b) Explain classes for file stream operations | 7 |
| Q8) | a) write a program to implement Binar operator overloading | 5 |
| | b) Write a program to implement Exception handling | 5 |
| | c) Write a program to accept a string from user and print following patterns | 5 |
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