

April - 2015

B.Sc. (IT)

Semester: III

Paper No: 304 - OBJECT ORIENTED PROGRAMMING WITH C++

Paper Code: 4733

Time: 2:30 hrs.

Total Marks: 70

Q -1) Answer the following Questions.

[14]

1. Write advantages and disadvantages of POP.
2. What are the benefits of Object Oriented Programming over Procedural Programming?

OR

Q -1) Answer the following Questions.

[14]

1. Explain all operators with example.
2. What do you mean by Structure? Explain with suitable Example.

Q -2) Answer the following Questions.

[14]

1. What is friend function? Write characteristics of friend function.
2. Explain class and object in brief with example.

OR

Q -2) Answer the following Questions.

[14]

1. What are the constructor and destructor? Write use of constructor and destructor.
2. What do you mean Inline functions? Why we should use inline function.

Q -3) Answer the following Questions.

[14]

1. What is operator overloading? Write rules of operator overloading.
2. Write a note on unary operator overloading with example.

OR

Q -3) Answer the following Questions.

[14]

1. What is type casting? Explain with example.
2. Discuss deference between operator overloading using friend function and normal function.

Q -4) Answer the following Questions.

[14]

1. What is inheritance? Explain types of inheritance with example.
2. Write a note on: Abstract Class.

OR

Q -4) Answer the following Questions.

[14]

1. What is inheritance? Explain hierarchical inheritance with example.
2. Write a note on: virtual base class.

Q -5) Answer the following Questions.

[14]

1. How to open and close file? Explain deferent methods with example.
2. Create a file to store and retrieve the student marks details using file I/O classes.

OR

Q -5) Answer the following Questions.

[14]

1. Explain file opening modes with example
2. Explain `ofstream` and `ifstream` class with example.