

Tribhuwan University
Institute of Science and Technology
Object Oriented Programming
2070

Full Marks : 60

Pass Marks : 24

Time : 3 hrs.

Section A

Attempt any two questions :

(2*10=20)

- 1.) Write any four features of object-oriented programming. Differentiate between operator overloading and function overloading.
- 2.) Why do we need the preprocessor directive #include <iostream>? Describe the major parts of a C++ program.
- 3.) What do you mean by overloading of a function? When do we use this concept? Explain with example.

Section B

Attempt any eight questions :

(8*5=40)

- 4.) What do you mean by dynamic initialization of variables?
- 5.) Explain with example of an inline function.
- 6.) What is virtual function? Explain.
- 7.) Differentiate between structure and class in terms of access modifier.
- 8.) What are the characteristics of constructor?
- 9.) Differentiate between overriding vs overloading.
- 10.) Explain the function templates with example.
- 11.) How can we define our functions inside the namespace and use them outside?
- 12.) Write the syntax and use of getline() and write() functions.
- 13.) Explain the friend function with its syntax.