

Tribhuvan University
Institute of Science and Technology
Object Oriented Programming
2069

Full Marks : 60
Pass Marks : 24
Time : 3 hrs.

Section A

Attempt any two questions :

(2*10=20)

- 1.) Differentiate between structural programming approach and object oriented programming approach. Explain the inheritance, polymorphism with example.
- 2.) How is a member function of a class defined? Define friend function. What are the merits and demerits of using friend function? Explain.
- 3.) Define constructor, list some of the special properties of the constructor functions.

Section B

Attempt any eight questions :

(8*5=40)

- 4.) Explain the do|while structure.
- 5.) Explain the inline function with example.
- 6.) How is dynamic initialization of objects achieved?
- 7.) What are the importance of destructors?
- 8.) What is an operator function? Explain with syntax.
- 9.) Explain with example, how you create space for array of object using pointers?
- 10.) Explain the features of I/O system supported by C.
- 11.) Differentiate between overloaded functions and function template.
- 12.) What are the main advantages of using exception handling mechanism in a program.
- 13.) What are the major differences between and loading of function.