

(2)

- (d) Which of the following is not a looping statement in C++ ?
- (i) while (ii) until
 - (iii) do (iv) for
- (e) Which of the following cannot be friend ?
- (i) Function
 - (ii) Class
 - (iii) Object
 - (iv) Operator Function
- (f) Which of the following concepts of oops means exposing only necessary information to client ?
- (i) Encapsulation
 - (ii) Abstraction
 - (iii) Data hiding
 - (iv) None of the above
- (g) While overloading binary operators using member function it requires arguments.
- (i) Zero (ii) One
 - (iii) Two (iv) Three
- (h) Which of the following operators cannot be overloaded ?
- (i) .
 - (ii) ? ;
 - (iii) = ;
 - (iv) All of the above

(3)

- (i) Class x , class y and class z are derived from class BASE. This is inheritance.
 - (i) Multiple
 - (ii) Multilevel
 - (iii) Hierarchical
 - (iv) None of the above
- (j) Reusability of the code can be achieved in CPP through
 - (i) Polymorphism
 - (ii) Encapsulation
 - (iii) Inheritance
 - (iv) None of the above

Unit-I

- 2. (a) Explain polymorphism and inheritance. 8
- (b) Write a note on Type Conversion. 8

OR

- (a) Write the difference between procedure oriented and object oriented programming.
- (b) Write a note on assignment operator.

Unit-II

- 3. (a) Write a program in C++ to print even numbers between 1 to 100 using while loop. 8
- (b) Explain briefly goto statement. 8

OR

(4)

- (a) Write a program in C++ for bubble sorting
- (b) Write a note on Pointers.

Unit-III

4. Write a program in C++ for copy constructor. 16

OR

Explain utility of friend function and friend class in C++.

Unit-IV

5. Write a program in C++ unary operator overloading. 16

OR

Write notes on the following :

- (a) Rules for operator overloading
- (b) Function overloading

Unit-V

6. Write a program in C++ hierarchical inheritance. 16

OR

Explain the following :

- (a) Templates
- (b) Virtual function