

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name : Object Oriented Programming With C++

Subject Code : 4CS03IPC1

Branch: B.Sc.I.T.

Semester : 3

Date : 11/03/2019

Time : 02:30 To 05:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
-

Q-1 Attempt the following questions:

(14)

- 1) **The wrapping up of data and functions into a single unit is known as_____.**
 - a) Data Abstraction
 - b) Inheritance
 - c) Data Hiding
 - d) Encapsulation
- 2) **Which of the following is known as insertion operator?**
 - a) >>
 - b) <<
 - c) ::
 - d) ^
- 3) **The concept of using one operator for different purpose is known as_____.**
 - a) Operator Overloading
 - b) Operator Overriding
 - c) Function Overloading
 - d) none of the above
- 4) **_____ is a member function whose name is same as the class name.**
 - a) Member Function
 - b) Friend Function
 - c) Constructor
 - d) All of the above
- 5) **_____ Operator cannot be overloaded.**
 - a) sizeof
 - b) +
 - c) >
 - d) <
- 6) **What is default visibility mode of members of classes in c++?**
 - a) Protected
 - b) Public
 - c) Private
 - d) all of the above
- 7) **The process of deriving a class from another derived class is known as_____.**
 - a) Single Inheritance
 - b) Multiple Inheritance
 - c) Multilevel Inheritance
 - d) Hybrid Inheritance
- 8) **Which of the following operator used for dynamic memory allocation?**
 - a) delete
 - b) new
 - c) allocate
 - d) insert
- 9) **Operator Overloading is also known as_____.**



- a) Compile time polymorphism b) run time polymorphism
- c) both a and b d) none of the above

10) _____ is not a member of a class but can have an access all the members of a class.

- a) static function b) ordinary function
- c) friend function d) all of the above

11) Which primary data type is not available in c++?

- a) array b) char
- c) int d) double

12) Which of the following looping statement available in c++?

- a) for b) while
- c) do..while d) all of the above

13) The member functions defined inside the class are by default treated as _____.

- a) static b) inline
- c) const d) private

14) Destructor is _____ object.

- a) overload b) initialize
- c) drop d) destroy

Attempt any four questions from Q-2 to Q-8

Q-2 Attempt all questions: (14)

- a) Explain basic concept of OOPs (5)
- b) Explain function overloading with suitable example (5)
- c) Explain inline function with example (4)

Q-3 Attempt all questions: (14)

- a) Write a cpp program to accept year from user and find whether it is Leap Year or not. (5)
- b) What is inheritance? Explain different types of inheritance (5)
- c) Explain parameterized constructor with example (4)

Q-4 Attempt all questions: (14)

- a) Give an example of Array of Object (5)
- b) Write a cpp program to compare two values using friend function (5)
- c) Explain this pointer in brief (4)

Q-5 Attempt all questions: (14)

- a) Write a note on virtual function (5)
- b) How to overload – operator? Explain with example (5)



- c) Explain DELETE operator with suitable example (4)

Q-6 Attempt all questions: (14)

- a) Explain Late Binding and Early Binding (5)
b) Write a note on constructor (5)
c) Explain class template (4)

Q-7 Attempt all questions: (14)

- a) Explain :: operator and NEW operator (5)
b) Explain application of OOPs (5)
c) Explain access specifier in c++ (4)

Q-8 Attempt all questions: (14)

- a) Write a cpp program to print table using while loop (7)
b) Create a class time that has hours, minutes as data members, create constructor (7)
to get time and one member function DisplayTime() to display time. Write
an appropriate main() function for it.

