

SEAT No. _____

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[13/14]

SARDAR PATEL UNIVERSITY

S. Y.B.Sc (CA & IT) || (III SEMESTER) EXAMINATION

US03CIIT21 / PS03CIIT21 || Computer Programming Using C++

Date: 28/12/2020, Monday

Time 10:00 a.m. to 12:00 p.m.

NOTE: Right hand figure indicates the marks of each question.

TOTAL MARKS: [70]

Q-1 MULTIPLE CHOICE QUESTIONS.

[10]

- 1 _____ is basic run time entity in object-oriented system.
A. Class B. Object C. Data D. Function
- 2 _____ means "To bind data & functions into a single unit".
A. Inheritance B. Polymorphism C. Data hiding D. Encapsulation
- 3 _____ function is used to copy one string into another string.
A. strcpy() B. stringcpy() C. strcopy() D. StrCopy()
- 4 _____ is used to free/destroy the memory occupied by the objects.
A. Constructor B. Destructor C. Delete D. None of Above
- 5 Which function is mostly used to initialize string data-member inside the parameterized constructor?
A strstr() B strlen() C strcpy() D None of these
- 6 Creating a new class using one or more existing classes is known as _____.
A Polymorphism B Encapsulation C Inheritance (D) Data Hiding
- 7 Which of the following declarations are illegal?
A. Void *ptr B. Char *str1 = "xyz" C. Char str2 = "abc" D. Const *int p1
- 8 The correct function name for overloading the addition (+) operator is
A. operator+ B. +operator C. operator(+) D. operator:+
- 9 Objects created dynamically with their data members initialized during creation are known as _____ Objects.
A. nameless B. live C. constant D. default
- 10 The header file _____ should be included that use input/output statements.
A. iostream B. stdio C. conio D. io

Q-2 Fill in the Blanks & True false

[08]

1. _____ means ability to take more than one form.
2. _____ operator is the same as "scanf()" function used in C.
3. Constructor is special member function because its name is same as the _____ name.
4. One base class & multiple derived classes means _____ inheritance.
5. >> is known as scope resolution operator. **True Of False**
6. Class is a user defines data type. **True Of False**
7. A pure virtual function is equated to zero. **True Of False**
8. Defining a function with same prototype in base class & derived class is known as Inline Function. **True Of False**

[P.T.O

(1)

Q-3 SHORT QUESTIONS. [Attempt Any 10]

[20]

- 1 What is object – oriented programming?
- 2 List out the features of OOP.
- 3 List out any four header file in C++.
- 4 List all operations on Array
- 5 Define destructor and give its example
- 6 Define classes and objects.
- 7 List situations when inline function is not expanded inline
- 8 What is a virtual base-class? What is the use of it?
- 9 Define friend function & list its use.
- 10 List out five operators to be overloaded in C++.
- 11 List the operators that can't be overloaded?
- 12 What is this pointer?

Q-4 Long Questions [Attempt Any Four]

[32]

- 1 Explain different data type available in C++.
- 2 Explain different operator available in C++.
- 3 What is private and public area in class?
- 4 Explain constructor overloading with example.
- 5 Explain multiple & multilevel inheritance with suitable example.
- 6 Explain the concept of friend function with suitable example
- 7 Explain read(),write(),seek(),close()
- 8 Explain binary operator overloading with example

—X—

(2)