



K16U 2094

Reg. No. :

Name :

III Semester B.Sc. Degree (CBCSS – Reg./Supple./Imp.)

Examination, November 2016

(2014 Admn. Onwards)

GENERAL COURSE IN COMPUTER SCIENCE

3A11 CSC : Programming with C++

Time : 3 Hours

Max. Marks : 40

SECTION – A

1. **One word answer.**

(8×0.5=4)

- C++ language was invented by _____
- The packing of data and function into a single component is known as _____
- The existing class can be reused by _____
- In C++, the symbol used for writing comments is _____
- What will be the output of the following program ?

```
#include<iostream.h>
```

```
void main()
```

```
{ char*n;
```

```
cout<<sizeof(n); }
```

- Which one of the following conversion is automatically carried by the compiler ?
- A binary operator overloaded via member function needs _____ arguments.
- Classes from which objects cannot be instantiated are called _____ classes.

P.T.O.



SECTION – B

Write short notes on **any seven** of the following questions : (7×2=14)

2. What is cin and cout ? Explain with example.
3. Explain friend class with example.
4. What is copy constructor ?
5. Difference between virtual function and pure virtual function.
6. Write about stream in C++.
7. Name any four rules in operator overloading.
8. What are the uses of getline() and write() functions ?
9. What is this pointer ?
10. Write about new and delete operator.
11. What is abstract class ?

SECTION – C

Answer **any four** of the following questions : (4×3=12)

12. Explain the difference between class and structure.
13. Explain inline function with example.
14. Explain friend function. Explain with example.
15. Write a program to find the sum of two time using object as argument.
16. Explain the static members of a class with the help of a program.
17. Explain string handling functions. Write a program to swap two strings.



SECTION – D

Write an essay on **any two** of the following questions : (2x5=10)

- 18. Define operator overloading. Explain binary operator overloading with example.
- 19. Write a program for Converting lowercase to uppercase using Read and Write File Operation.
- 20. Explain multiple and multi level inheritances with example.
- 21. Explain the hierarchy of I/O stream classes.