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K19U 2462

Reg. No. :

Name :

III Semester B.Sc. Degree (CBCSS-Reg./Sup./Imp.)**Examination, November - 2019****(2014 Admn. Onwards)****GENERAL COURSE IN COMPUTER SCIENCE****3A11CSC : PROGRAMMING WITH C++**

Time : 3 Hours

Max. Marks : 40

SECTION-A

1. One word answer. (8×½=4)
- a) Can we overload constructors in C++?
 - b) Which class has only one unique value for all the objects of class?
 - c) How many arguments a default constructor has?
 - d) What is default visibility mode for members of classes in C++?
 - e) Reusability of code in C++ is achieved through _____
 - f) In C++ Program, inline functions are expanded during _____.
 - g) In operator overloading, unary operator has _____ number of arguments.
 - h) Default value of a static variable is _____

SECTION-B

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

- 2. What are the unique advantages of OOP paradigm?
- 3. What is a reference variable?
- 4. When will you make a function inline?
- 5. What is a parameterized constructor?
- 6. What is an abstract class?

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7. What is the role of iomanip file?
8. What is the use of set f() function?
9. What is encapsulation?
10. What is array of objects?
11. What is the use of fstream class?

SECTION-C

Write short notes on any **Four** of the following questions. (4×3=12)

12. Discuss the use of enumerated data types with example.
13. When do we declare a member of a class static? Justify the need of static members.
14. A friend function cannot be used to overload the assignment operator =. Explain why?
15. Distinguish between early binding and late binding.
16. Write a program to implement unary operator overloading.
17. Write down the rules for a virtual function.

SECTION-D

Write short notes on any **Two** of the following questions. (2×5=10)

18. Discuss the memory management operators in C++. What are the advantages of new operator over malloc() in C.
 19. Explain operator overloading with an example.
 20. Write a program to sort an array of integers using function pointer.
 21. Discuss various classes available for file operations.
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