K19U 0303

Reg. No.: .....

Name: .....

II Semester B.C.A. Degree (CBCSS – Reg./Supple./Improv.) Examination, April 2019
(2014 Admission Onwards)
Core Course
2B03BCA : OBJECT ORIENTED PROGRAMMING USING C++

Time : 3 Hours Max. Marks : 40

SECTION – A

Answer **all** questions. **Half** mark **each**.

1. a) Who developed C++ ?
   b) Function prototype is a _____ type of statement.
   c) The use of ceil() is _____
   d) All operators can be overloaded. True or False.
   e) _____ function is declared in a base class that has no definition relative to the base class.
   f) File mode operator ios::ate is used for _____-.
   g) Instance of a class is called _____.
   h) _____ is memory dereferencing operator.

SECTION – B

Answer **any 7** questions. **2** marks **each**.

2. What are the applications of OOP ?
3. Write the use of any four header files.
4. What is the speciality of inline function ?
5. What is the use of constant arguments in a function ?

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6. Distinguish between constructor and destructor.
7. What is meant by publicly inherited ?
8. What is static binding ?
9. Explain scope resolution operator.
10. What are the different kinds of data communications involved in a program ?
11. Write a note on nesting of classes.

SECTION – C

Answer **any 4** questions. **3** marks **each**.

12. Write a program to store the details of a book into a file.
13. Compare different storage classes in C++.
14. Explain the difference between while and do-while loops.
15. Write a program to find the area of a sphere, circle and rectangle using function overloading.
16. Explain virtual base class with an example.
17. Write a program to overload increment operators (both postfix and prefix).

SECTION – D

Answer **any 2** questions. **5** marks **each**.

18. What are the parameter passing techniques used in C++ ? Explain with example.
19. Explain different types of constructors with examples.
20. Explain the basic concepts of OOP.
21. Explain different types of inheritance with examples.

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