15U226 (Pages: 2) Name....................

Reg. No.................

SECOND SEMESTER B.C.A. DEGREE EXAMINATION, JUNE 2016
(CUCBCSS – UG)
(Core Course: Computer Application)
CC15U BCA2 B02 – Object Oriented Programming with C++
(2015 Admission)

Time: Three Hours   Maximum: 80 Marks

I.   Answer the following

1. An example of string literal is ....
2. The memory size needed for a int data type in C++ is ....
3. What is an inline function?
4. The memory size allocated for float A[10] is .....
5. >> is a .... operator.
6. int &a=10; cout<< a; prints......
7. The value of b after evaluating following statements is ...... int a=10; int b=a++;
8. Write the syntax of do...while statement.
9. .... operator is used in destructor definition.
10. C++ operator used for dynamic memory allocation is ....

(10*1=10 MARKS)

II.   Answer all questions

11. What do you mean by a friend function?
12. How to define a class in C++?
13. What do you mean by polymorphism?
14. What is the difference between pre and post increment statements?
15. Write a C++ program to find factorial of a number using recursion.

(5*2=10 MARKS)

III.   Answer Any Five

16. Explain various operators in C++?
17. Explain with example use of default parameters in C++.
18. Write C++ program to find area of square, rectangle, circle using function overloading
19. Write C++ program to add two complex numbers using object and class?
20. Why it is necessary to make a base class virtual base class. Explain.
21. Differentiate structure and class.
22. Explain input and output streams.

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23. Explain with example use of break and continue statement.

(5*4=20 MARKS)

IV.   Answer any Five

24. Explain various OOP concepts.
25. Explain various inheritance techniques with example.
26. Write C++ program to copy contents of a file to another.
27. Explain default and parameterized constructors with example.
28. Explain with suitable C++ program functions in C++.
29. Explain how to create pointers to array of objects with example.
30. Explain the concept of Command line arguments. Explain with an example.
31. What do you mean by generic programming? How function templates can be overloaded?

(5*8=40 MARKS)

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