

Register Number:
Name of the Candidate:

B.Sc. DEGREE EXAMINATION, May 2015

(COMPUTER SCIENCE)

(SECOND YEAR)

(PART-III)

230: OBJECT ORIENTED PROGRAMMING USING C++

Time: Three hours

Maximum: 100 marks

SECTION-A

(8×5=40)

Answer any EIGHT questions

1. Explain the identifiers and constants in C++.
2. Discuss the various operators in C++.
3. What are the characteristics of constructor functions?
4. Explain briefly the type conversions.
5. Write a C++ program to illustrate the use of pointer to objects.
6. Discuss about virtual base classes.
7. Explain the file pointers in C++.
8. What are the file mode options in C++? Explain.
9. Describe how to reverse the linked list.
10. What is data structure? Explain its types.

SECTION-B

(3×20=60)

Answer any THREE questions

11. Describe the features of Object Oriented Programming.
12. Explain the binary operator overloading with suitable example program.
13. Explain the hybrid inheritance in C++ with suitable example program.
14. Describe the various functions used for file I/O operations in C++.
15. Discuss the different operations that can be performed on a stack.
