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Register Number:

Name of the Candidate:

B.Sc. DEGREE EXAMINATION December 2014

(INFORMATION TECHNOLOGY)

(FIRST YEAR)

150/160. PROGRAMMING IN C AND C++

(Common with B.C.A)

Time: Three hours

Maximum: 100 marks

SECTION – A

(8×5 = 40)

Answer any EIGHT questions

1. What is a variable ? Explain with an example.
2. List and explain relational operators in C with an example.
3. Write the features of OOPS.
4. What is function overloading? Explain.
5. Explain how to convert basic data type to class type.
6. Write the special characteristics of friend function.
7. What is multiple inheritance? Explain.
8. Define pure virtual function. Give an example.
9. Describe the various stream classes available for file operations.
10. What is random access file? Explain briefly.

SECTION – B

(3×20 = 60)

Answer any THREE questions

11. Explain the various control structure in C with an example for each.
12. Discuss about passing objects as function arguments with an example.
13. Write a C++ program to find addition of two time objects using binary operator overloading (+).
14. Explain how base class and derived class objects are accessed with base class pointer.
15. Discuss about opening and closing the file in C++ and its file mode operations with an example.
