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CS-72(P)/S2

**Bachelor of Computer
Application (Pre-Revised) (BCA)
Term-End Examination
December, 2018
C++ AND OBJECT ORIENTED
PROGRAMMING**

Time : 2 Hours

Maximum Marks : 100

(Weightage : 15%)

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- Note :**
- (i) There are *two* compulsory questions in this paper carrying 40 marks each. Rest 20 marks are for viva-voce.
 - (ii) You must write appropriate main() function and test your programs.
 - (iii) Write/Print your programs, input and results on your answer-sheet.
 - (iv) Make and state suitable assumptions, if any.
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Design and implement the classes in the given hierarchy using C++. You may add more data members in the classes, if needed. You should include at least one constructor of each class. All the classes should have one member function `print_student_info()` which displays all the information of the object. Demonstrate polymorphism using the `print_student_info()` and `main()` functions.