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CS-72(P)/S1

BACHELOR OF COMPUTER APPLICATIONS (Pre-revised) (BCA) 00018

Term-End Practical Examination June, 2016

CS-72(P)/S1: C++ AND OBJECT ORIENTED PROGRAMMING

Time: 2 Hours Maximum Marks: 100

(Weightage: 15%)

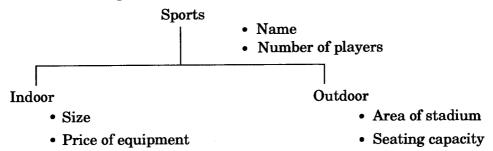
Note: (i) There are two compulsory questions in this paper carrying 40 marks each. Rest 20 marks are for viva-voce.

- (ii) You must write appropriate main() function and test your programs.
- (iii) Write | print the programs, input and results on your answer-sheet.
- (iv) Make and state suitable assumptions, if any.
- 1. Design and implement a class "Player" using C++ having the following features:
 - should The class store Player ID, Player name. Sport and State_represented_by_player.
 - The member functions (three in number) of the class should perform:
 - Input of values in a Player object (a)
 - (b) Display of information of a Player object
 - (c) Display of information about State_represented_by_player

Write appropriate main() that creates an array of three "Player" objects and demonstrates all the member functions. You should enter meaningful values in the objects.

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2. Consider the following class hierarchy along with suggested data members:



Design and implement the classes in the hierarchy using C++. You may add more data members in the classes, if needed. You should include at least one constructor in each class. All the classes should have a member function print_sports_info() which should display all the data of that object. You must demonstrate polymorphism using the print_sports_info() and main() functions.

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