

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

Term-End Practical Examination

June, 2016

CS-72(P)/S2 : C++ AND OBJECT ORIENTED PROGRAMMING

<i>Hours</i>	<i>Maximum Marks</i>
	<i>(Weightage)</i>

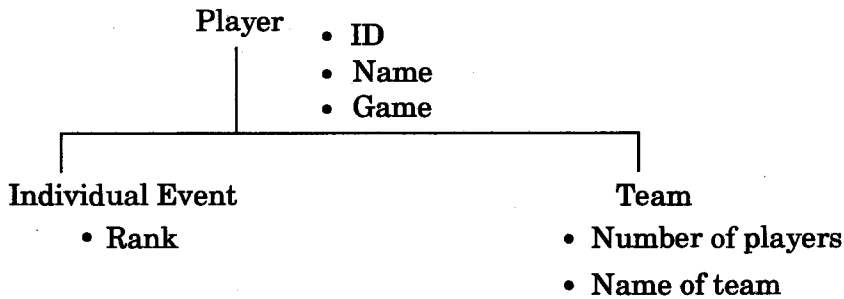
- (i) *There are two **compulsory** questions in this paper carrying 40 marks. Rest 20 marks are for viva-voce.*
- (ii) *You must write appropriate main() function and test your program.*
- (iii) *Write / print the programs, input and results on your answer-sheet.*
- (iv) *Make and state suitable assumptions, if any.*

Design and implement a class named "Technician" using C++. The class should store the technician name, his/her technical skill like X-Ray/MRI/EEG, hospital name in which the technician works and age of the technician. The class should have the following two member functions :

- (i) A function that inputs data in all the data members of an object
- (ii) A function to display stored information of an object

Write appropriate main() function that uses an array to create a list of technicians.

Consider the following class hierarchy along with suggested data members :



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