



**EASTERN UNIVERSITY, SRI LANKA**  
**SECOND EXAMINATION IN SCIENCE -2013/2014**  
**SECOND SEMESTER (Sept /Oct., 2016)**  
**CS 253 – PRACTICAL WORK ON CS 203**  
**(PROPER & REPEAT)**

Answer all Questions

Time: 2 Hours

- 1) Create a database "*Phy\_Edu*" using *MySQL*.
- 2) Create the following tables with their attributes with possible data types and insert the given values.

Student (Index\_No, Registration\_No, Student\_Name, Year\_Study, Faculty, Participation)

Staff\_Details (Name, Designation, Staff\_Id)

Championships (Wining\_Year, Event, Place )

Matches (Index\_No, Staff\_Id, Event, Year)

Student

Index_No	Registration_No	Student_Name	Year_Study	Faculty	Participation
522	EU/IS/2011/PHY/20	S.Karunairajah	2	Science	Yes
572	EU/IS/2012/BS/30	D.R.T.H.Karunadilake	1	Science	No
722	EU/IS/2010/ART/80	A.Krishnathas	2	Arts	Yes
11002	EU/IS/2011/COM/44	R.Sriparan	1	Commerce	Yes
577	EU/IS/2010/ART/76	P.Priya	1	Arts	No

Staff Details

Name	Designation	Staff_Id
Mr. S.Rajan	Instructor	S01
Mrs.M.Guhan	Head	S02
Mr.D.Dias	Instructor	S03
Mr.S.Kamala	Instructor	S04
Mr.S.Shiyan	Instructor	S05

Championships

Wining_Year	Place	Event
2012	First	Badminton
2011	Runners up	Volly Ball
2010	Championship	Badminton
2015	Runners up	Volly Ball
2012	Championship	Rugby

Matches

Index_No	Staff_Id	Event	Year
PS1522	S01	Badminton	2012
PS1522	S02	Volly Ball	2011
AC1722	S03	Rugby	2012
COM1002	S04	Badminton	2010
COM1002	S05	Volly Ball	2015
PS1522	S03	Rugby	2013
AC1722	S01	Volly Ball	2010

iii) Write down SQL expressions for each of the following:

a. Retrieve all the details of students who are participating sports.

- b. List out the students' details who are in the 2<sup>nd</sup> year and not interested in sports.
- c. List out the Science faculty students' registration numbers along with their names.
- d. List out the students' names who have participated in Badminton.
- e. List out the students' names along with the names of the staff in-charge.
- f. List out the Champions in 2010.
- g. List out the female staff names.
- h. Display students' names with their faculties where the registration number has "ART" as a part of it.
- i. Change the designation of Mr. S.Rajan as Asst.Lecturer.
- j. Insert a new entry into table Staff\_Details.

Name : Mrs. S. Paheeran

Designation : Instructor

Staff\_Id : S06

- k. Display the students' names who have participated in both events, Badminton and Volley Ball.
- l. List the faculty and the names of all students with faculty in a reverse alphabetical order and names within each faculty in alphabetical order.
- m. Display the students' names without initials along with their Index numbers.  
Eg: Karunairajah PS 1522
- n. Display the students' details who have registered in 2010.
- o. Display the events participated in 2012 along with the names of the staff in-charge.
- p. List the name/s of the instructor/s who have 'y' in their name/s.
- q. Display the details of Championships in the leap year.