

BACHELOR IN INFORMATION TECHNOLOGY (BIT)

Term-End Practical Examination

00980

December, 2011

CSI-20P : DATABASE MANAGEMENT SYSTEMS

Time allowed : 1 hour

Maximum Marks : 30
(Weightage : 15%)

Note : There is one *compulsory* question in this paper carrying 20 marks. Rest 10 marks are for *viva-voce*. Make and state suitable assumptions, if any.

1. Consider the following schema :

Book (Bookid, Title, author_name, subject)

Member (MemberID, name, dateofmembership)

Issue (Bookid, memberid, issuedate)

Some of the assumptions are -

- (i) There is only one author of the book.
- (ii) A book can be issued to a member only once, although she/he can get a number of books issued. Perform the following activities for the description given above :
 - (a) Identify the key of each table. Create the tables specifying the keys, data types, and constraints (including referential integrity constraints). Insert 5-6 sets of meaningful data in each of the table. 8
 - (b) Write and run the following SQL query. 12
 - (i) Find the total number of books that are issued to a member whose name is "Sumit".
 - (ii) Find the list of members who have not been issued a single book.
 - (iii) List the details of the books that have been issued at least five times (to different members)
 - (iv) Find the details of all the books that have been issued, in the alphabetical order of author name.