Machine Test Paper (Core Java)

Date : 08/03/2025   **Time : 02 to 05 Pm**

Design application for Library Management System

We want to develop the application for library Management system

Objective of project

The main objective of this project is to develop the application using library management and, in this project, we have two users one is librarian and one is student

Task of library

a.   **Add new student list in database using array of objects & provide login here we consider email is username and contact is password**

b.   **Add a new list of books in the database using an array of objects.**

c.   **View All Students**

d.   **Search student by name or email**

e.   **View All Books**

f.   **Search books by name or email**

g.   **View issued book by student**

h.   **View student who issues minimum single book**

i.   **Show the total number of books in library**

j.   **Show the available book count in library**

k.   **Show the issued book count in library**

Task of students

a.   **Login in system using email and contact**

b. **View all books**

c. **Issue book but if book already issue then show the message book is already issued**

d. **Show the own profile and student can edit it**

e. **Show self-issued book list**

f. **Show the total book count in library**

g. **Show the available books student can issue**

h. **Return book to library**

i. **Logout**

Refer following diagram