

CSE 3100
Web Programming Laboratory
Lab Test (Set B)

Time: 45 minutes

Marks: 20

In this lab work, you will have to create a hospital management system which will comprise of the following tasks.

- **Task 1 (5 Marks):** Create the following web form using html. (The no. of beds should always be a number).

Hospital Management System

No Of Beds:

Current Number of Beds Available: 500

- **Task 2a (5 Marks):** Now you have to create a class named '**HospitalSystem**' which should have properties (*hospitalID*, *beds*) and some methods (**constructor**, **appoint**, **release**, **showAvailableBeds**). For appoint, the total number of beds should decrease and for release it should increase.
- **Task 2b (4 Marks):** Implement the methods so that:
 - Appoint limit (single time) can be up to 20 a day.
 - No appointment can be made if it crosses 500(total number of beds).
 - Release is only possible when any beds are equipped. (Available beds cannot be negative)
- **Task 3 (6 Marks):** Every time, any appoint/release is made, the total available beds should be updated. One possible way is to use **Sessions** to keep track of the beds. But you can use any methods or *database* you like.