

	Dept : Computer Science & Engg Subject title : Database Management System SubCode : 21CST503 No. of Credits : 3:0:0:0 No. of Lecture hours per week: 03
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ASSIGNMENT -2

Q.NO.	Note : Answer ALL the questions
1	Explain with sketch the different phases of database design.
2	Book club has members to whom the books are sold. The books are made available at different places in the city. The books are identified by a book_id, the author and the publisher. An author can write more than one book and a book can have more than one author. Members have information such as Membership_id, Name, Phone# and Status. A member can place more than one order. You can choose additional attributes for the schema that seem appropriate. Mention any assumption you make. Show minimum and maximum cardinality ratios based on your assumptions. Design an E-R schema diagram for this application.
3	Write an ER diagram for hospital management system. Assume minimum 4 entities, attributes and relations.
4	<p>Consider the following relation schema</p> <p>Project(P_No, P_Name, P_Incharge)</p> <p>Employee(E_No, E_Name)</p> <p>Assigned_to(P_No, E_No)</p> <p>Write the Relational Algebra queries for the following:</p> <p>(i) List details of employees who are working on all the projects.</p> <p>(ii) List E_No of employees who are not working on project number 2K.</p> <p>(iii) List the names of employees who are working in the same project as employee named 'Tom'.</p>

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