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Sri Sivasubramaniya Nadar College of Engineering, Kalavakkam – 603 110

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Department of Computer Science and Engineering

Continuous Assessment Test – I

Question Paper

Degree & Branch	B.E. CSE				Semester	IV
Subject Code & Name	UCS1404 Database Management Systems				Regulation: 2018	
Academic Year	2020 - 2021	Batch	2019-2023	Date	19.02.2021	FN 11.40 to 12.00 PM
Time: 20 Minutes	Answer All Questions				Maximum: 10 Marks	

Part – C Answer All question (1×10 = 10 Marks)

<K3>	<p>Consider the following relations for a database that keeps track of book borrowed by a borrower in library branch: (5+5)</p> <p>BOOK_LOANS (<u>Bookid</u>, <u>Branchid</u>, <u>Cardno</u>, <u>Date_out</u>, <u>Due_date</u>) where <u>Branchid</u>, <u>Cardno</u> are foreign keys referencing to LIB_BRANCH, BORROWER respectively.</p> <p>LIB_BRANCH (<u>Branchid</u>, <u>Branch_name</u>, <u>Address</u>)</p> <p>BORROWER (<u>Cardno</u>, <u>Name</u>, <u>Address</u>, <u>Phone</u>)</p> <p>Write the relational algebra expression for the following:</p> <p>a. List out the names of all borrowers who do not have any books checked out.</p> <p>b. Retrieve the names, addresses, and number of books checked out for all borrowers who have more than five books checked out.</p>	<CO2>
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Course Coordinator	PAC Team	HOD