National Institute of Technology Calicut
Department of Computer Science and Engineering
CS3095D DBMS Lab

Time: 60 minutes **Test II** **Marks: 08**

JDBC Connectivity
Set A
Answer all questions

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1. Explain the steps involved in JDBC **[2 marks]**

2. Which architecture is followed in JDBC based applications? What are the different parts in JDBC representing the above architecture? **[2 marks]**

3. Build a web application to store and fetch the records of employees in a company. The user should be able to store details of each employee such as Employee ID, Employee name, Department, Designation, Salary, email etc. The Employee ID should be of 6 characters, Department can be Sales, Marketing, Finance or Human Resources. The minimum salary for any employee is 20,000. The user should also be able to search for all the employees under a particular department through the application. **[4 marks]**

Instructions:
1) *Submission: Upload answers for questions 1 and 2 as a single pdf file.*
2) *Coding: Evaluation for Question 3 will be conducted where students are required to show results for the test cases provided by the examiner. (4 test cases,1 mark each).*