**CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING**



**Advanced Computing Training School**

**Course Name:** PG Diploma in Advanced Computing

**Batch:** August 2019

**Module Name:** Java Technologies I Lab Exam **Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Max Marks: 40 Marks**

**PRN No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Duration: 2 Hours**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Q1. Design Java application using JDBC for the following

Design a table in to maintain car and owner information

Car id, owner name,date of purchase,salesman names, make, model, price

Create carPOJO, carDao & Tester for the following requirements.

Display following menu

1. Add new car---- Add new car in the existing table
2. Delete a car ---- Delete car from table
3. Search cars based on make ---accept make from user display all cars with given make
4. Search cars based on price----accept price from user display all cars with price < or equal to given price
5. Exit [40 marks]

**Evaluation of Lab Exam should be based on the following criteria.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Criteria** | **Details** | **Max**  **Marks** | **Marks**  **Obtain** |
| **Algorithm** | **Documentation of Algorithm and Flowchart** |  |  |
| **Program adheres to the algorithm and flowchart** |  |  |
| **Efficiency** | **Program is using only the required number of variables**  **/conditions/loops/pointers etc and is optimal** |  |  |
| **Correctness** | **The program produces desired output for a given input** |  |  |
| **The program handles all valid and Invalid inputs** |  |
| **Software**  **Engineering**  **Principles** | **The program has meaning variable/function names** |  |  |
| **The program is commented properly (At least 20% of the**  **code should be commented)** |  |  |
|  | ***Total Marks*** | **40** |  |
| **cccccccc** |  |  |  |

**Signature of Student Signature of Evaluator Signature of Coordinator**

**Page 1 of 1**