**MANAV RACHNA UNIVERSITY, FARIDABAD**

**Department of Computer Science and Technology**

**Course: B.Tech. CSE Semester: 6 Session: Jan 2022-May 2022**

**Subject: Agile Technologies (CSW317B)**

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**LAB 1 Experiment**

1. In LAB 0 you have installed JDK version 1.5 or above (1.8 was preferred version) and verified the correctness of installation
2. Now install JUnit and setup the environment and verify the correctness of installation
3. Write JUnit Test Cases for the following programs, execute test cases and log test results:

(i) Java program which you have written in LAB 0 to find the minimum of a set of 10 numbers

(ii) Java program which you have written in LAB 0 to compute the annual increment amount of employees using the following strategy:

* If monthly salary of employee is less than Rs. 1 Lakh increment should be 15 % of annual salary
* If monthly salary is in the range of Rs.1 Lakh to Rs. 2 Lakh increment should be 10% of annual salary
* If monthly salary is more than Rs. 2 Lakh increment should be 5% of annual salary

(iii) Create JUnit Test Suite for JUnit test cases developed in above program (ii) and execute the test cases with TestRunner and log test results