USN : Student Name :

**Title of the Experiment ( Appropriate title like,** Application of 2-D array in Java **)**

# Experiment No. Date :

**Problem Statement :**

As is given in the syllabus ( Copy paste here…)

# Objectives of the Experiment :

1. Learn declaration and initialization of variables and 2-D array in Java
2. Understand the use of 2-D array in a real-life application
3. Learn the usage of Looping constructs and control statements
4. Learn to Display the result in a readable/proper format

# Program Source Code : W

ell documented ( With Appropriate comments, indentation and coding

c onventions(As discussed in the class ) )

**Input :** Appropriate Test – Cases ( Atleast 2-3 test cases )

**Output :** Well formatted Result/s – ( Results With appropriate tags/messages )

**Outcomes of the Experiment :** At the end of the laboratory sessions the students should be able to

1. Demonstrate the use of 2-D array in solving real-life problems.
2. Identify appropriate variables and their types
3. Identify appropriate looping constructs (for or do while)
4. Check if one loop will suffice or use nesting
5. Identify the control statements needed to meet the problem requirements.

**Conclusions :** From the given problem statement, we could identify the necessary variables of appropriate type, and looping/control statements and the necessary program logic. The program was written in NetBeans IDE(Mention the one you actually used) by creating a project. We understood the usage of the IDE in typing the code, debugging, running the program and observing the output. We also understood the use of built-in class System and its method println to display the result. The program was executed for two-three sets of input and result obtained were verified to be correct and recorded.

// You may add/modify above and include your own concluding remarks as to what you experienced….