**Patan Multiple Campus**

**Practical No. 6: Design of Experiments**

**Level:- TU BCA 3rd Semester**

**Date:- 2081/01/16**

**Subject: Probability and Statistics (CACS-202)**

**Roll No:- 13/080**

**Name: Bimal Acharya**

**Question:-**

The following data show the number of claims processed per day for a group of insurance company employees observed for a number of days. Test the hypothesis is that the employee’s mean claim per day are all the same. Use the **0.05** level of significance.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Employee1** | **15** | **17** | **14** | **12** |  |  |  |
| **Employee2** | **12** | **10** | **13** | **17** | **18** | **15** |  |
| **Employee3** | **11** | **14** | **13** | **15** | **12** |  |  |
| **Employee4** | **13** | **12** | **12** | **14** | **10** | **9** | **8** |

**Working Expression:**