**PG Program in Analytics**

|  |  |
| --- | --- |
| **Linear Regression – Class Assessment** | **[Time: 3 hrs] [Total Marks: 50 ]** |

|  |  |  |
| --- | --- | --- |
|  | **Perform the following tasks:** | **Marks** |
| Q.1 | Plot a bar chart showing count of individual species? | **[10]** |
| Q.2 | Identify outliers and remove if any? | **[10]** |
| Q.3 | Build a regression model and print regression equation? | **[10]** |
| Q.4 | What is the mean score of the model at 95% confidence interval? | **[10]** |
| Q.5 | Compare real and predicted weights and give a conclusion statement based on it? | **[10]** |