**BT307 LAB 4**

**1) Name:** Aditya Jindal, **Roll No.:** 210106004

**2)** Fitted logistic equation:

y = 1/(1 + e-5.856 + 12.446\*size)

**3)** AIC score = 26.953

**4)** Confusion matrix for:

Cutoff = 0.3:

|  | | Actual | |
| --- | --- | --- | --- |
| 0 | 1 |
| Predicted | 0 | 1 | 1 |
| 1 | 6 | 6 |

Cutoff = 0.5:

|  | | Actual | |
| --- | --- | --- | --- |
| 0 | 1 |
| Predicted | 0 | 4 | 1 |
| 1 | 3 | 6 |

Cutoff = 0.7:

|  | | Actual | |
| --- | --- | --- | --- |
| 0 | 1 |
| Predicted | 0 | 5 | 4 |
| 1 | 2 | 3 |

**5)** 