

## Logistic Regression – Class Assessment

[Time: 3 hrs]  
[Total Marks: 70 ]

|     | Perform the following tasks:  | Marks |
|-----|---|-------|
| Q.1 | Visualize just the categorical features individually to see what options are included and how each option fares when it comes to count(how many times it appears) and see what can be deduce from that? | [10]  |
| Q.2 | Look at some categorical features in relation to each other, to see what insights could be possibly read?   | [10]  |
| Q.3 | Visualize categorical variables with numerical variables and give conclusions?  | [10]  |
| Q.4 | From the above result, what are the factors that leads to get low grades of the students?   | [20]  |
| Q.5 | Build classification model and present it's classification report?  | [20]  |