

GLS UNIVERSITY

SUMMER EXAM - 2021

Course Name: iMSc (IT), FCAIT

Semester: VIII

Subject Name: Machine learning with Python

Subject Code: 161601806

Date: 16/04/2021

Total Marks: 50

Time: 2 Hrs

Note:

1. Load appropriate data set from moodle to your local disk.
2. Check installed version of Python Libraries.
3. Use Data Visualization tool as an when required.
4. Use of sublime editor is advisable.
5. Perform all the operations on allotted machine only.

Q.1. Write a menu driven python script which allows user to perform following operations 20
(Write function for every operation):

- 1 Add College: Allow user to enter the details of college like college code, college name, college rating, college location etc. (Note: Use dictionary and list to store the data.)
- 2 Display college with highest rating.

Q.2. Perform the below task using “Titanic Data Set” 30

1. Load data set using pandas function and print top 7 record.
- 2 Print all the column header of data set.
- 3 Create a pie Chart representing the survived and Non Survived proportion.
- 4 Find the age of youngest and oldest passenger on the Titanic ship
- 5 Count and plot the passenger in each class.
- 6 Display the survived count where sex is female and class is 3.