LOVELY PROFESSIONAL UNIVERSITY

BYOD PRACTICAL 3 EVEN ROLL NO# SET A

TIME: 50 min MM:30

1. Solve the following problems using SQLDF package. Use airquality dataset (built-in). Display top 6 rows of the dataset.

a) Display rows of the dataset where temperature is greater than 70 and month is after May.

b) Display Ozone and Wind for 6th and 7th month.

c) Calculate mean temperature for each month.

d) Arrange the rows of dataset in ascending and descending order of month.

e) Find out the mean temperature for every month excluding the fifth month (May). (5x2=10)

2. a) Import PopularKids Dataset into R.

b) Using Apply Functions, display maximum Age, Grades, Sports and Looks.

c) Display mean of age for every school.

d) Using appropriate Apply function, display simplified output to calculate mean age.

e) Display minimum age for every Race. (5x2=10)

3. Solve the following using DPLYR Package. Use built in CO2 dataset.

a) Calculate min conc, max conc, min uptake and max uptake for Qc3.

b) Calculate min conc, max conc, min uptake and max uptake for every Type.

c) Display all rows which contains 'Qn' in Plant.

d) Display Plant and Treatment which for which conc is greater than 100.

e) Add another column Per_conc which is conc/100. (5x2=10)