Babu Madhav Institute of Information Technology, UTU

5 years Integrated M.Sc. (IT) / B.Sc. (IT) (5th Semester)

Subject: IT5013 - Introduction to Data Processing with Python

Practical Internal – 2 – 2023 - 24

Set - 2

Duration: 80 mins	**Max. Marks: 30.** **Date: 18/10/2022**

Q-1	Write a python script that loads the "InternalMarks.csv" file and do the following: 1. To calculate final total internal marks out of 40, consider the following conversion criteria. Add all the converted marks columns i.e. "**INT-15, QZ1-5, QZ2-5, UT-8, ASSIGN-7**". • Convert given Internal exam mark out of 60 into 15 marks. • Convert given Quiz – 1 mark out of 15 into 5 marks. • Convert given Quiz – 2 mark out of 15 into 5 marks. • Convert given unit test mark out of 30 into 8. • Convert given assignment mark out of 10 into 7 marks. 2. Add "Total(40)" column which store sum of all the converted marks. 3. Add the "Result" column, which stores the result of the student. The result will be considered based on the given criteria: • If the student scores less than 16 marks then store the result "FAIL" else store "PASS". 4. Print name and enrolment of the student who secured highest internal marks. 5. Print average internal marks. (Average of Total(40) column.) 6. Display a pie chart that shows the ratio of "PASS" and "FAIL" students in final internal. 7. Store the updated csv file as result.csv. **Question wise marks:** 4 + 3 + 3 + 3 + 3 + 3 + 1 **= 20**	**20**
Q-2	**Viva & Journal.**	**05**