

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 - 1		
Duration: 80 mins		Max. Marks: 30. Date: 18/10/2022
Q-1	<p>Write a python script that loads the “StudentAttendance.csv” file and do the following:</p> <ol style="list-style-type: none"> 1. Based on “NumberOfLecturePresent” column add “TotalAbsent” column in data frame. Consider Total conducted lectures 120. 2. Calculate “Absent Percentage” based on “TotalAbsent” column, and add “AbsentPercentage” column in data frame. 3. Add the “Eligibility” column, which stores the values like “Allowed” or “Not Allowed” based on the given criteria: <ul style="list-style-type: none"> • If Absent percentage greater than 20, then eligibility is “Allowed” else “Not Allowed”. 4. Print the names of top five the student who has highest absent percentage. 5. Count total number of students who are not allowed to give exam. 6. Display a pie chart that shows the ratio of “allowed” and “not allowed” students. 7. Store the updated csv file as result.csv. <p>Question wise marks: 2 + 4 + 4 + 3 + 3 + 3 + 1 = 20</p>	20
Q-2	Viva & Journal.	05