

**BDTM: Big Data Tools for Managers**  
**2<sup>nd</sup> Internal Question Pattern**

- Q1. Create Tables in MySQL perform JOIN/UNION/Group By [15]
- Q2. Conditional (If..else) / For Loop statement in Python [5]
- Q3. Creation of List/Tuple/Set/Dictionary, and display element, update elements into existing data structures [10]
- Q4. Working with List/Tuple/Dictionary data structure to display elements using indexing... [5]
- Q5. Data Analysis Case Study using Pandas: [15]
- A. Read csv file
  - B. Display structure & dimension of data
  - C. Data display head/tail/sample/subset
  - D. Get the summary of data
  - E. Count frequency of column value
  - F. Display unique values of any columns
  - G.
  - H.
  - I. ...
  - J. ...
  - K.