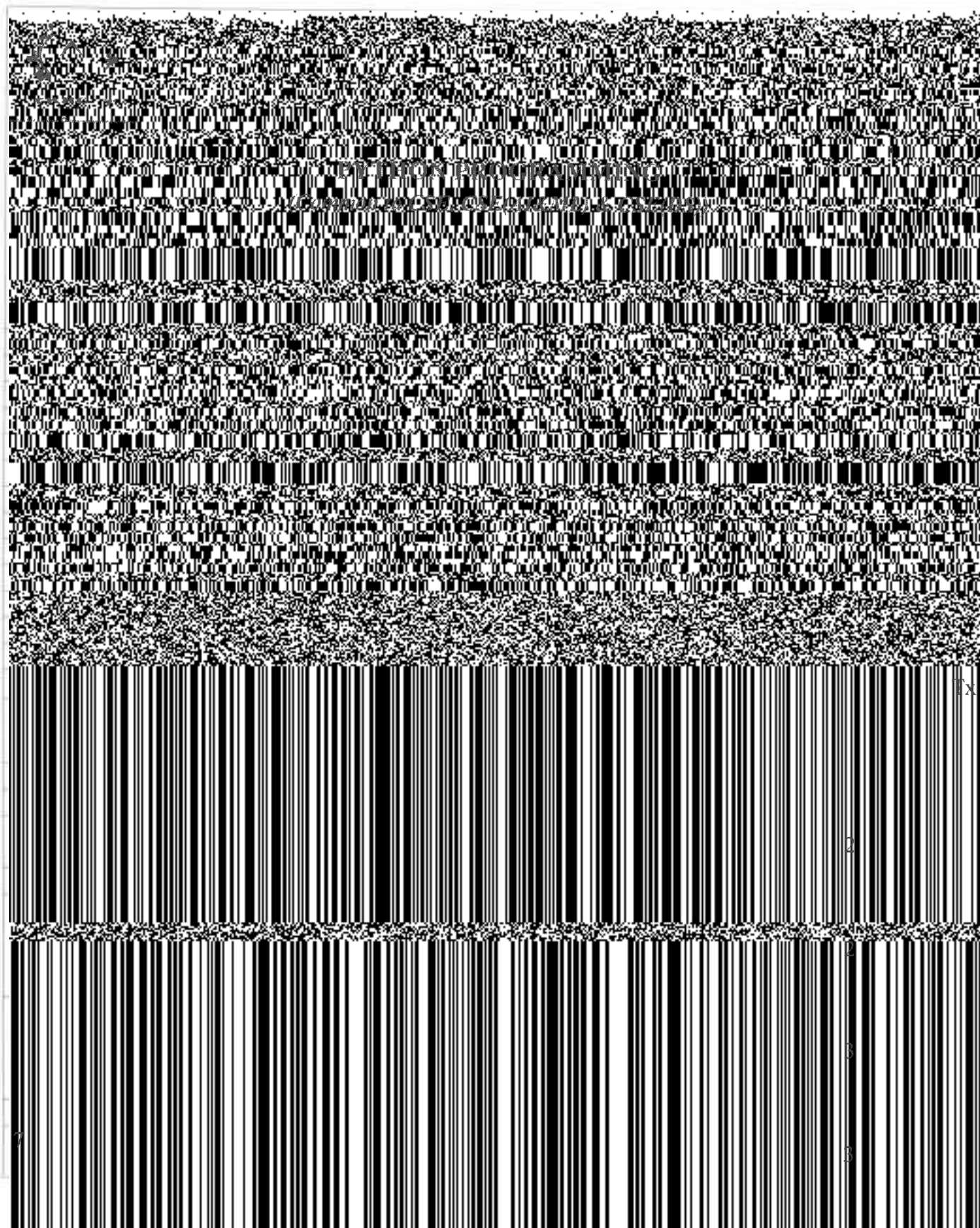




|    |                                                                                                                                                                                                                 |          |   |          |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---|----------|
|    |                                                                                                                                                                                                                 |          |   | L1       |
| 8  | (a) Create a Numpy array filled with all ones.<br>(b) Explain reading CSV file and analyzing data with any suitable example using pandas.                                                                       | 5M<br>5M | 4 | L6<br>L2 |
|    | OR                                                                                                                                                                                                              |          |   |          |
| 9  | (a) Illustrate the file handling mechanism in python.<br>(b) Explain the different file input and output functions in python.                                                                                   | 5M<br>5M | 4 | L2<br>L2 |
| 10 | (a) Write a program which shows how to define a class, how to access a member function and how to create and access objects in python.<br>(b) Define constructor method in python. Explain with an example.     | 5M<br>5M | 5 | L3<br>L2 |
|    | OR                                                                                                                                                                                                              |          |   |          |
| 11 | (a) Distinguish between else block and finally block in exception handling? Explain with an example program.<br>(b) How can you catch multiple exceptions using a single except block? Explain with an example. | 5M<br>5M | 5 | L4<br>L4 |