**DCA3104 Python Programming**

**Assignment Set-I**

1. a) Discuss different datatypes used in Python Programming.

b) Explain the concept of operator precedence with example.

2.a) Discuss the use of else statement with for and while loop. Explain with an example.

b) Explain the use of following string functions: - upper(), lower(), isdigit(), isalpha(), split(), join() with example.

3.a) How to delete an element from list? Explain different cases with examples.

b) Explain differences between list, tuple, set and dictionary.

**Assignment Set-II**

4.a) What is lambda function? Why is it used?

b) Explain differences between remove(), discard( ) and pop( ) method for deleting elements from set.’

5. What is exception handling? Write a Python program which would throw exception if the value entered by user is less than zero or zero otherwise print it.

6. a) Explain the use of pandas, NumPy and matplotlib libraries in detail.

b) What are CRUD operations?

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