

UKA TARSADIA UNIVERSITY (DIWALIBA POLYTECHNIC)

DIPLOMA IN CO/IT ENGINEERING

ASSIGNMENT (PROGRAMMING WITH PYTHON)

UNIT1

1. Explain python standard library in detail.
2. Define: python binaries, python source code.
3. Define: Cpython, Jpython, Ironpython, pypy in detail.
4. Define Ipython, micro python in detail.
5. Write a python program to print “uka tarsadia university”
6. Explain Python interpreter in detail.

UNIT-2

1. Explain lexical structure of python programming in detail
2. What is data type? Explain different types in detail.
3. What is operator? Explain different types of operator in detail.
4. Explain different control flow statements in detail.
5. Explain the procedure to use functions in python programming language.

UNIT-3

1. List and explain different python classes in detail.
2. What is inheritance? List & Explain different types in detail.
3. Explain different class level methods in python programming in detail.
4. Explain general purpose special method in detail.

UNIT-4

1. Explain try statement with example in detail.
2. Explain the with statement with example.
3. Explain Exception propagation in detail.
4. Explain raise statement in detail.
5. Explain custom exception classes in detail.
6. Explain error checking strategies in detail.
7. Explain assert statement with example in detail.

UNIT-5

1. Define: module, package and module loading in detail.
2. Explain standard inbuilt library models in detail.
3. Explain the sys module in detail.
4. Explain copy module in detail.
5. Explain collection module in detail.
6. Explain functools module in detail.
7. Explain heapq module in detail.
8. Explain argparse module in detail.
9. Explain itertools module in detail.

10. Explain http module in detail.

UNIT-6

1. Explain methods of string and data objects in detail.
2. Explain string module in detail.
3. Explain string formatting with example in detail.
4. Explain the pprint module in detail.
5. Explain the reprlib module in detail.

UNIT-7

1. Explain the IO module in detail.
2. Explain auxiliary module in detail.
3. Explain OS module in detail.
4. Explain file system operation in detail.
5. Explain text input and output in detail.
6. Explain interactive command session in detail.
7. Explain internatolization in detail.

UNIT-8

1. Explain serialization in detail.
2. Explain DBM modules in detail.
3. Explain Berkley DB interfacing in detail.
4. Explain DBAPI in detail.(python database API)
5. Explain tkinter.