

BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY

Unit Test-I (Shift:-I&II)

Program Name: Computer Engineering Group

Program Code: CM

Semester: Sixth

Course Title: Programming with Python

Course Code: 22616

1. INTRODUCTION AND SYNTAX OF PYTHON PROGRAM (08 MARKS)

2 Marks

1. Explain numeric data types in python (CO1).
2. Differentiate between interactive mode and script mode of python(CO1).
3. List different Object Oriented Features supported by python(CO1).
4. Describe Python Interpreter (CO1).
5. Enlist applications for python programming.(CO1)

4 Marks

1. Explain any 4 features of python programming(CO1)
2. Write steps to install python and to run python code. (CO1)
3. List and Explain different data types used in python(CO1)
4. Describe the role of indentation in python. (CO1)
5. Define the following terms: (CO1)
 - i. Identifier
 - ii. Literal
 - iii. Keyword
 - iv. Variable

2. PYTHON OPERATORS AND CONTROL FLOW STATEMENTS (10 MARKS)

2 Marks

1. Write an Syntax of if-else and if-elif -else statement in python.(CO2)
2. State the use of keyword pass. (CO2)
3. List and write the use of Identity Operators(CO2)
4. Write the syntax of while loop and for loop. (CO2)
5. Explain continue and break statement with syntax. (CO2)
6. List and write the use of membership operators in python. (CO2)

4 Marks

1. Explain logical and bitwise operators in python with appropriate example. (CO2)
2. Explain relational and arithmetic operators in python with examples: (CO2)
3. Write a python program to print factorial of a number. Take input from user. (CO2)
4. Write a python program to print Fibonacci series up to n terms. (CO2)
5. Write a python program to check whether given Number is even or odd(CO2)

3. DATA STRUCTURE IN PYTHON (14 MARKS)

2 Marks

1. Can we delete list elements? Justify your answer.(CO3)
2. Define tuple in python? How to create and access it? (CO3)
3. Compare list and tuple. (CO3)
4. Enlist built in function in dictionaries and explain any two. (CO3)
5. Explain any two built in methods of set in python with example(CO3)

4 Marks

1. Describe basic operations perform on list with example. (CO3)
2. Explain any four built in methods of lists in python with example. (CO3)
3. Explain the basic operations that can be performed on tuple. (CO3)
4. Enlist built in function in tuple and explain any four. (CO3)
5. Explain the basic operations that can be performed on set in python with suitable example(CO3)
6. Explain the basic dictionaries operations with an example. (CO3)