

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (ECE) (Sem-7,8)  
**PYTHON PROGRAMMING**

Subject Code : BTEC907D-18

M.Code : 90676

Date of Examination : 09-06-2023

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

**SECTION-A**

1. Write briefly :

- a) Slicing of strings
- b) Tuple in Python
- c) Scope rules
- d) Pseudo code
- e) Numbers in Python
- f) Lists in Python
- g) Variable and its naming rules in Python
- h) Expression in Python
- i) ADT
- j) Differentiate between Intermediate mode and Script mode.

## SECTION-B

2. Explain call by value and call by reference.
3. Write a code to count number of words in a file.
4. What is indexing and negative indexing in tuple?
5. Write a program to convert Celsius to Fahrenheit.
6. Explain values and items method used in dictionary with an example.

## SECTION-C

7. What is Dictionary? Explain Python dictionaries in detail discussing its operations and methods.
8. What are the basic list operations that can be performed in Python? Explain each operation with its syntax and example.
9. Write Python code to sort n numbers using selection sort.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**