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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. (AI & ML/ CSE) (Sem-5)

PROGRAMMING IN PYTHON

Subject Code : BTAIML501-20

M.Code : 93173

Date of Examination : 29-11-2024

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) What are python strings?
- b) What is tuple in python?
- c) What are the rules for naming a variable?
- d) What is multiline statement?
- e) What is docstring?
- f) Mention the type of arguments in python.
- g) Exception handling
- h) What is the use of comparison operator?
- i) What is chained conditional statement?
- j) What is python continue statement?

SECTION-B

2. What is the difference between Lists and Tuples? Give an example for their use.
3. Write Python program to demonstrate Multiple Inheritance.
4. What are three type of import statement in Python? Explain.
5. What is List? Explain the concept of slicing and indexing with proper examples.
6. Explain about the different types of Exceptions in Python.

SECTION-C

7. What are the basic list operations that can be performed in Python? Explain each operation with its syntax and example.
8. What is Dictionary? Explain Python dictionaries in detail discussing its operations and methods in detail.
9. Explain in detail about Python Files, its types, functions and operations that can be performed on files with examples.

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.