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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech. CSE (Internet of Things and Cyber Security including Block Chain Technology) (Sem-5)

PROGRAMMING IN PYTHON

Subject Code : BTAIML501-20

M.Code : 92370

Date of Examination : 10-12-2024

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 advantage of Tuple over List?
- b) What is indexing and negative indexing in tuple?
- c) Which method is used to read the contents of a file which is already created?
- d) What are packages in python?
- e) What is python break statement?
- f) What is python pass statement?
- g) Explain about string slicing.
- h) What is meant by conditional If?
- i) Give the characteristics of membership operator.
- j) How to open a new file in Python? Explain.

SECTION-B

2. Discuss the various Limitations of Python.
3. Write short note on Functional Programming approach.
4. Discuss Python data type: Numbers, Tuples, Sets, Dictionary, Strings in detail with their methods and operations.
5. Explain in detail about namespaces and scoping.
6. Write a program to enter a number in Python and print its octal and hexadecimal equivalent.

SECTION-C

7. What are the basic list operations that can be performed in Python? Explain each operation with its syntax and example.
8. Describe about the Handling Exceptions in detail with examples.
9. What is Dictionary? Explain Python dictionaries in detail discussing its operations and methods in detail.

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.