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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 :02-12-2025

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) Keywords
- b) Dictionary data type
- c) Sequence data type
- d) Loops
- e) Pseudo Code
- f) String upper function
- g) Lists
- h) Python Interpreter
- i) Exception
- j) Lifetime and Scope of variable.

SECTION-B

2. Discuss the features and applications of Python Language.
3. Explain call by value and call by reference.
4. How to check whether a given string is Palindrome or not?
5. What is indexing and negative indexing in Tuple?
6. Write a program to convert Celsius to Fahrenheit.

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 a function? What are their types? How to pass arguments in function?
9. What type of conditional structures is present in a programming language? How many of them are supported in Python? Explain with example.

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.