Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐   **Total No. of Pages : 02**

Total No. of Questions : 18

B.Tech (CSE)   (Sem.–5)
PROGRAMMING IN PYTHON
Subject Code : BTCS-510-18
M.Code : 78324

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

Write briefly :

1) Define pickling.

2) Python Interpreter.

3) Intermediate mode and script mode.

4) Lists in Python.

5) Define exceptions.

6) Define Recursion.

7) String lower function.

8) Define HTTP.

9) Special symbols in Python.

10) Global Interpreter lock.

SECTION-B

11) Differentiate between function and module in Python.

12) Test whether a given year is leap year or not.

13) Write code to print Fibonacci series.

14) Write a note on Object Relational Managers (ORMs).

15) Differentiate between simple and advanced web clients.

SECTION-C

16) Describe the syntax and semantics of any two loop structures provided by Python.

17) Write a note on Python Database Application Programmer's lnterface (DB-API).

18) Differentiate between thread module, threading module and related module.

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.