2303E888   Candidate's Seat No :_____

M.Tech Sem-1 (NC & WT)Examination
Internet Programming

Time : 3-00 Hours]   March 2022   [Max. Marks : 100

Note : (1) Write both the sections in the separate answer books
         (2) Figures to the right indicate full marks

SECTION-I

Q1   **Attempt the following.**   [18]
(a)   What are the key features of Python?
(b)   Explain datatypes in Python.
(c)   What is function? How you can define function in python and call that
       function. Explain with an example.

Q2   **Attempt the following.**   [16]
(a)   What do you mean by Dynamic Programming? Explain using
       Recursive Function.
(b)   Explain Standard Mathematical Functions in python.

OR

(a)   Explain lists and its methods.
(b)   Explain Dictionary and its methods.

Q3   **Attempt the following. (Any two)**   [16]
(a)   Explain slicing in detail.
(b)   Explain tuples in detail with its methods.
(c)   Compare and discuss membership operators and Identity Operators.

SECTION-II

Q4   **Attempt the following.**   [18]
(a)   Explain the use of assert and raise statement.
(b)   Define socket. What is the use of socket and explain how to use
       socket?
(c)   Define Class and Object. Explain constructor and the self variable.

(P.T.O)

Q5   **Attempt the following. (Any two)**   [16]

(a)   What is exception handling? Explain different blocks available in python for handling exception.

(b)   What is Client-Server Networking? Explain how we can implement using UDP Service in python.

(c)   How to use user defined exceptions in program.

Q6   **Explain the following.(Any four)**   [16]

(a)   Import statement

(b)   Turtle Graphics Object

(c)   TCP services

(d)   Inheritance

(e)   Multidimensional Lists