Roll No. ....

5th Sem. / Computer, Computer
(For speech & Hearing Impaired))
Subject : Python Programming

Time : 3 Hrs.   M.M. : 60

SECTION-A

Note: Multiple Choice Questions. All Questions are compulsory.   (6x1=6)

Q.1   What type of error occurs when the syntax of a program is incorrect?

a)   Runtime error   b)   Semantic error

c)   Syntax error   d)   Logical error

Q.2   What does the input () function do?

a)   Outputs data to the console

b)   Reads data from the user

c)   Converts data types

d)   Performs calculations

Q.3   Which of the following is a mutable data structure?

a)   Tuple   b)   String

c)   List   d)   Integer

Q.4   What does the read line () method do?

a)   Reads the entire file at once

b)   Reads a single line from a file

c)   Writes a line to a file

d)   Closes the file

Q.5   Which module is used to create GUI applications in Python?

a)   Random   b)   Sys

c)   Tkinter   d)   Math

Q.6   What is an object in object-oriented programming?

a)   A Variable holding data

b)   An instance of a class

c)   A function that performs actions

d)   A data structure without methods

SECTION-B

Note: Objective/Completion type questions. All questions are compulsory.   (6x1=6)

Q.7   A Python modules is simple a text file with a .py extension (True/False)

Q.8   Lists are _____ (Immutable/Mutable)

Q.9   Name the function to return length of the string.

Q.10   You can append data to a file by opening it is 'R' mode. (True/False)

Q.11   What is the purpose of the finally clause in a try statement?

Q.12   A composite key is a primary key made up of more than one column (True/False)

SECTION-C

Note: **Short answer type Question. Attempt any eight questions out of Ten Questions.** **(8x4=32)**

Q.13 Explain logical operators in Python, and give example?

Q.14 Write program in python to calculate area of a circle.

Q.15 Write the syntax of while loop of python, also provide example code.

Q.16 What is a list in python?

Q.17 How do you call a function and pass arguments to it?

Q.18 What is the purpose of the time module in Python?

Q.19 What is the read line () method used for?

Q.20 What is an object and how is it related to a Class?

Q.21 What is an exception in Python? Name any two in built exception.

Q.22 What is an entry widget used for?

SECTION-D

Note: **Long answer questions. Attempt any two question out of three Questions.** **(2x8=16)**

Q.23 Explain the concept of strings in Python? Explain any two inbuilt functions of strings in python?

Q.24 What is an exception in Python. How are they used to handle errors and unexpected situations?

Q25 Write short notes on

a) Runtime errors   b) Nested Loops