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**5th Sem / Computer, Computer ( For Speech  
and 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 is a program ?

- a) A type of error
- b) A sequence of instructions to perform a specific task
- c) A variable in Python
- d) A data type

Q.2 Which of the following is an example of a logical operators?

- a) +                                      b) -
- c) and                                      d) \*

Q.3 What is the output of len ("Hello")?

- a) 4                                      b) 5
- c) 6                                      d) "Hello"

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Q.4 How do you check for membership in a string?

- a) using is in                              b) using in
- c) using exists                              d) using contains

Q.5 What is the primary benefit of using modules?

- a) Increased execution speed
- b) Automatic debugging
- c) Better organization and reuse of code
- d) Simplicity of data types

Q.6 What does a primary key in a database do?

- a) Uniquely identifies each record in a table
- b) Identifies a column
- c) Links tables together
- d) Sets constraints on data types

**SECTION-B**

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

Q.7 What does the modulus operators (%) returns.

Q.8 Tuples are \_\_\_\_\_ (immutable / mutable).

Q.9 How are tuples different from lists?

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- Q.10 What does the input ( ) function do?
- Q.11 An object is an instance of a \_\_\_\_\_
- Q.12 To create a text entry field in Tkinter, you would use the \_\_\_\_\_ widget. (entry / Scale)

### SECTION-C

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

- Q.13 What are syntax errors, and how do they differ from runtime errors?
- Q.14 Write program in python to calculate simple interest.
- Q.15 Write syntax of while loop in Python?
- Q.16 What is a tuple in Python?
- Q.17 What is the purpose of a return statement in a function?
- Q.18 What is a module in Python?
- Q.19 How do you open a file for writing in Python?
- Q.20 What is class and how do you create a new class in Python?
- Q.21 Define exception and how do you use a try block to handle exceptions?
- Q.22 How do you connect to a database using Python?

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### SECTION-D

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

- Q.23 Explore the various types of operators in Python? Provide examples of how each type is used in programming?
- Q.24 Explain the concept of lists in Python. How to create a list, how to add more items in given list? give suitable examples.
- Q.25 Write short notes on
- a) polymorphism
  - b) Tkinter

(1620)

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