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Roll No.

220853

**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”

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?

(1)

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(2)

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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 book to handle exceptions?

Q.22 How do you connect to a database using Python?

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