

SECTION-D

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

- Q.23 What do you mean by mutable objects in python? Explain with the help of program how lists are mutable.
- Q.24 Explain the types of arguments along with example that can be passed at the time of function calling.
- Q.25 Write short note on
- Role of keys and constraints in database design
 - Tkinter
 - Aliasing
 - Bit wise operator

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Roll No.

5th Semester/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 Is Python case sensitive when dealing with identifiers?
- No
 - Yes
 - Machine Dependent
 - None of the mentioned
- Q.2 Which of the following is a Python tuple?
- | | |
|------------|------------|
| a) {1,2,3} | b) {} |
| c) [1,2,3] | d) (1,2,3) |
- Q.3 What will be the value of the following Python expression?
- | | |
|------|------|
| a) 7 | b) 2 |
| c) 4 | d) 1 |

Q.4 Which of the following is not a core data type in Python programming?

- a) Tuples b) Lists
- c) Class d) Dictionary

Q.5 Program code making use of a given module is called a _____ of the module.

- a) Client b) Docstring
- c) Interface d) Modularity

Q.6 Which type of programming does Python support?

- a) Object oriented programming
- b) structured programming
- c) Functional programming
- d) All of the mentioned

SECTION-B

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

Q.7 What is debugging?

Q.8 What do you understand by variable in any programming language?

Q.9 Define string.

Q.10 What is looping?

Q.11 What is the use of Tuple in python?

Q.12 Linear Search Algorithm is also called as _____.

SECTION-C

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

Q.13 List some features of Python.

Q.14 What is a Syntax Error? Write down various causes of syntax errors.

Q.15 What is a loop? How does a while loop work?

Q.16 Explain the various types of operators in Python.

Q.17 What is a tuple, and how is it different from a list?

Q.18 Explain the ways to clone the list in Python.

Q.19 What is the use of the random module in Python? Write a program to generate and print a random number between 1 and 100.

Q.20 What is binary search in Python? Write a python program to perform binary search on a sorted list of numbers to find a user-given element.

Q.21 Compare object-oriented programming and procedural programming.

Q.22 What is inheritance in Python? Write a program to show how a child class can inherit properties from a parent class.