

# THOOTHUKUDI - DISTRICT

## FIRST MID TERM TEST - 2024

Standard - XII

Reg.No.

**COMPUTER SCIENCE**

**Marks:35**

**Time: 1.30 hrs.**

### PART - I

**I. Choose the best answer:**

**10 × 1 = 10**

1. The small sections of code that are used to perform a particular task is called \_\_\_\_\_.  
A) Subroutines    B) files    C) Pseudo code    D) Modules
2. All functions are \_\_\_\_\_ definitions  
A) Static    B) dynamic    C) user defined    D) built
3. Data abstraction allows programmers to treat code as \_\_\_\_\_.  
A) Constants    B) literals    C) objects    D) algorithms
4. A sequence of immutable objects is called \_\_\_\_\_.  
A) Built in    B) List    C) Tuple    D) Derived data
5. After executing the below lines, what will be the values of a and b?  
1. a:=5    2. b:=a    3. a:=3  
A) 5,5    B) 3,5    C) 3,3    D) none of these
6. Which scope refers to variables defined in current function?  
A) Local Scope    B) Global scope    C) Module scope    D) Function scope
7. \_\_\_\_\_ are languages that uses meaningful statement about time and space complexity.  
A) Pseudo code    B) Algorithm  
C) Flowchart    D) Asymptotic Notations
8. Binary search is also called as \_\_\_\_\_.  
A) Linear search    B) Sequential search  
C) Random search    D) Half-interval search
9. Who developed Python?  
A) Ritche    B) Guido Van Rossum  
C) Bill Gates    D) Sunder Pitchai
10. Which statement is generally used as a placeholder?  
A) Continue    B) break    C) Pass    D) goto

### PART - II

**II. Answer any 3 questions :**

**3 × 2 = 6**

11. What is a Tuple? Give an example.
12. What do you mean by Namespaces?
13. Write the phases of performance evaluation of an algorithm.
14. What is a literal? Explain the types of literals?
15. List the control structures in Python.

**PART - III**

**III. Answer any 3 questions:**

**3 × 3 = 9**

- 16. Differentiate pure and impure function.
- 17. Differentiate Concrete data type and abstract data type.
- 18. Define Global scope with an example.
- 19. What do you understand by Dynamic programming?
- 20. Using if..else.. elif statement write a suitable program to display smallest of 3 numbers.

**PART - IV**

**IV. Answer in detail:**

**2 × 5 = 10**

- 21. Explain with an example interface and implementation.

**(OR)**

What is a List? Why List can be called as Pairs.Explain with suitable example.

- 22. Explain the types of scopes for variable with example.

**(OR)**

Describe in detail the procedure Script mode programming.

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