

12 RRegister No: 12115**FIRST MID TERM TEST – 2024**

Time: 1.30 hrs

COMPUTER SCIENCE

Marks : 50

PART - I**Choose the correct answer.****10 x 1 = 10**

1. The variables in a function definition are called as
 - A) Subroutines
 - B) Function
 - C) Definition
 - D) Parameters
2. Which of the following functions that build the abstract data type?
 - A) Constructors
 - B) Destructors
 - C) recursive
 - D) Nested
3. Which of the following is used in programming languages to map the variable and object?
 - A) ::
 - B) :=
 - C) =
 - D) ==
4. Binary search also called
 - A) linear search
 - B) sequential search
 - C) random search
 - D) half - interval search
5. Which of the following shortcut is used to create new python program?
 - A) Ctrl+C
 - B) Ctrl+F
 - C) Ctrl+B
 - D) Ctrl+N
6. Which amongst this is not a jump statement?
 - A) for
 - B) goto
 - C) continue
 - D) break
7. Which of the following keyword is used to define the function testpython():?
 - A) define
 - B) pass
 - C) def
 - D) while
8. Which function is called anonymous un - named function
 - A) Lambda
 - B) Recursion
 - C) Function
 - D) define
9. The word comes from the name of a Persian Mathematician Abu Ja' Far Mohammad ibn - i Musa al Khowarizmi is called?
 - A) Flowchart
 - B) Flow
 - C) Algorithm
 - D) Syntax
10. The functions which cause side effects to the arguments are called
 - A) impure function
 - B) Partial functions
 - C) dynamic functions
 - D) pure functions

PART - II**Answer any five questions.****(Q.No) 17 is compulsory.****5 x 2 = 10**

11. Differentiate interface and implementation.
12. What is a pair? Give an example.
13. What is mapping?
14. What is searching? write its types.
15. Write short notes on tokens?
16. Write note on range() in loop?
17. Define sum() mathematical function give an example.

PART - III**Answer any five question.****(Q.No) 24 is compulsory.****5 x 3 = 15**

18. Differentiate pure and impure function.
19. What are the different ways to access the elements of a list. give example.
20. Why access control is required?
21. Write a note on asymptotic notation?
22. What are string literals? Explain.
23. Differentiate ceil() and floor() function?
24. Using ifelse....elif statement write a suitable program to display largest of three numbers.

PART - IV**Answer all question.****3 x 5 =15**

25. How will you facilitate data abstraction. Explain it with the suitable example.

(OR)

Explain LEGB rule with the example.

26. Explain the characteristics of an algorithm.

(OR)

Explain input() and print() functions with examples.

27. Write a program to display multiplication table for a given number.

(OR)

Explain the different types of function with an example.