FIRST MID TERM TEST - 2021
Standard - 12
COMPUTER SCIENCE

Time : 1.30 Hrs

Marks: 50

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) Which of the following functions that retrive information from the data type?
   a) Constructors   b) Selectors   c) Recursive   d) Nested

3) The process of binding a variable name with an object is called
   a) scope   b) mapping   c) late binding   d) early binding

4) Two main measures for the efficiency of an algorithm are
   a) Processor and Memory   b) Complexity and Capacity
   c) Time and Space   d) Data and Space

5) The Python prompt indicates that interpreter is ready to accept instruction
   a) >>>   b) <<<   c) #   d) <<

6) What plays a vital role in python programming?
   a) Statements   b) Control   c) Structure   d) Indentation

7) Which function is called anonymous un-named function?
   a) Lambda   b) Recursion   c) Function   d) Define

8) Which of the keyword is used to exit a function block?
   a) define   b) return   c) finally   d) def

9) Which of the following operator is used for concatenation?
   a) +   b) &   c) *   d) =

10) Strings in python,
    a) changeable   b) mutable   c) immutable   d) flexible

II. Answer ANY FOUR questions:

4×2=8

11) What is a Mapping?

12) What is search? Write it's types?

13) What is a Token? What are the types of Token?

14) What are advantages of function?

15) How will you remove string in python?

16) Do you modify a string in python?

III. Answer ANY FOUR questions:

4×3=12

17) What are the characteristics of algorithm?

18) Explain Ternary operator with example.

19) Write a syntax of if....elif statement.

20) Write a basic rules for global keyword.

21) What are the advantages of Lambda function?

22) Write a python program to print a given pattern.

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IV. **Answer ALL the questions:**   4×5=20

23) What is a Binary search? Explain with example.

(OR)

Explain about LEGB Rule.

24) Explain about input ( ) and output ( ) functions.

(OR)

Explain about various Tokens in python.

25) What is a Loop? Explain for Loop with example.

(OR)

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

26) What is function? Write various types of function. Explain any one type of function with example.   (OR)

Explain about string operators in python with suitable example.

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