FIRST MID TERM TEST - 2022

12 - Std   **COMPUTER SCIENCE**   Reg. No. | | |1|2|1|2|6|

Time : 1.30 Hrs   Marks : 35

PART - I

I   Choose the correct answer.   5 x 1 = 5

1. Which of the following is used to define a recursive function?
   a) Let   b) Def
   c) Let rec   d) Def rec

2. A sequence of immutable object is called ....
   a) Built in   b) List
   c) Tuple   d) Derived data

3. Which are loaded as soon as the library files are imported to the program?

   a) Built in scope   b) Enclosed scope
   c) Global scope   d) Local scope

4. Which of the following algorithmic approach is similar to divided and conquer approach?

   a) insertion sort   b) Dynamic programming
   c) Selection sort   d) Bubble sort

5. Which of the following character is used to give comments in python program?
   a) #   b) &
   c) @   d) $

PART - B

II   Answer any four questions and questions number 10 is compulsory.

6. What is Impure function?   4 x 2 = 8

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7. What is Mapping?

8. Define Pseudo code.

9. What are the different operators that can be used in python?

10. Identify which of the following are constructors and selectors?

    a) City - make city (name, lat, ion)

    b) displaynum (n1)

    c) a, b = number (n1), number (n2)

    d) display ( )

PART -C

III Answer any four questions and question number 15 is compulsory.

$$4 \times 3 = 12$$

11. What happens if you modify a variable outside the function? Give an example.

12. What are the different wsays to access the elements of a list. Give example.

13. What is module? What are the characteristics of Module.

14. What are the key features of Python?

15. Write the Pseudo code for Bubble sort Algorithm.

PART - D

IV Answer all the questions. $2 \times 5 = 10$

16. What are called parameters and write a note on

    i) parameter without type

    ii) Parameter with type

(OR)

What is Binary search? Discuss with example.

17. Explain the types of scoopes for variables.

(OR)

Discuss in detail about Tokens in Python

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