**Ts12CS**

01-08-2024

**Standard 12**

Time: 1.30 Hours       **COMPUTER SCIENCE**                Marks: 35

**I. Choose the correct answer from the given four alternatives:**       10×1=10

1) The variable in a function definition are called as
   a) Subroutines      b) Function       c) Definition       d) Parameters

2) A sequence of immutable objects is called
   a) Built - in       b) List       c)Tuple       d) Derived Data

3) Which scope refers to variables defined in current fucntion
   a) Local Scope                    b) Global Scope
   c) Module Scope                   d) Function Scope

4) The algorithm that yields expected output for a valid input is called as
   a) Algorithmic solution           b) Algorithmic outcomes
   c) Algorithmic problem            d) Algorithmic coding

5) Which of the following is not Logical operator?
   a) and       b) or       c) not       d) assignment

6) .......... is used as a separator in output function to print more than one item
   a) hash       b) single quote       c) colon       d) comma

7) What plays a vital role in Python programming?
   a) Statement       b) Control       c) Indentation       d) Structure

8) Which statement allows to execute a group of statements multiple times
   a) Sequence       b) if...else       c) loop       d) pass

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

10) Which function returns the ASCII value for the given Unicode character
    a) ord()       b) chr()       c) id()       d) type()

**II. Answer any three questions: Q.No. 14 is compulsory.**       3×2=6

11) Differentiate interface and implementation
12) Why scope should be used for variable. State the reason
13) Write the phases of performance evaluation of ann algorithm
14) What is keywords in python? Write Some Python's keywords.

**III. Answer any three questions: Q.No. 18 is compulsory.**       3×3=9

15) Why access control is required?
16) What are the different ways to access the elements of a list. Give example
17) Write the syntax of while loop?
18) What is composition in functions?

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**IV. Answer all the questions:**       2×5=10

19) a) What are called Parameters and write note on
       i) Parameter without type
       ii) Parameter with type

**(OR)**

   b) What is Binary Search? Explain with an example

20)a) Discuss in details about Token in Python

**(OR)**

   b) Write a detail note on for loop.