

**K****COMMON FIRST MID-TERM TEST - 2019**

Standard XII

Reg No. :

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Time: 1.30 hours.

**COMPUTER SCIENCE**

Marks: 50

**Part - A****I. Choose the correct answer:**

12 × 1 = 12

- The variables in a function definition are called as
  - subroutines
  - function
  - definition
  - parameters
- The functions which cause side effects to the arguments passed are called
  - impure function
  - partial function
  - dynamic functions
  - pure functions
- Which of the following is the compound structure?
  - pair
  - triplet
  - single
  - quadrat
- A sequence of immutable objects is called
  - built in
  - list
  - tuple
  - derived data
- Which members are accessible from outside the class?
  - public members
  - protected members
  - secured members
  - private members
- Which operator is called as conditional operator?
  - ternary
  - relational
  - logical
  - assignment
- The Python prompt that indicates interpreter is ready to accept instruction is
  - >>>
  - <<<
  - #
  - <<
- Which statement is generally used as a place holder?
  - continue
  - break
  - pass
  - goto
- Function which calls itself is called as
  - built-in
  - recursion
  - lambda
  - return
- Which of the following is the slicing operator?
  - { }
  - [ ]
  - < >
  - ( )
- Let list1 = [2,4,6,8,10], then print (List1[-2]) will result in
  - 10
  - 8
  - 4
  - 6
- The keys in Python dictionary is specified by
  - =
  - ;
  - +
  - :

**Part - B****II. Answer any 5 questions: (Ques.No.15 is compulsory)**

5 × 2 = 10

- What is subroutine?
- Differentiate interface and implementation.



(2)

15. What is a List? Give an example.
16. What is mapping?
17. Write a short notes on tokens.
18. Define control structure.
19. What are the main advantages of function?

T. Parthunay  
PGT in CS,  
Maharishi School,  
Chengam.

**Part - C****III. Answer any 6 questions: (Ques.No.23 is compulsory)**

6 x 3 = 18

20. Why Strlen is called pure function?
21. Why access control is required?
22. Define Global Scope with an example.
23. Discuss about algorithmic complexity and its types.
24. What are the different modes of Python programming?
25. Write the syntax for while loop.
26. Write the different types of function.

**Part - D****IV. Answer all the questions:**

2 x 5 = 10

27. What are called parameters and write a note on
  - i) parameter without type
  - ii) parameter with type

**(or)**

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

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

**(or)**

Write a program to display all 3 digit odd numbers.

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