

**COMPUTER SCIENCE****FIRST MIDTERM MODEL QP****COMPUTER SCIENCE****FIRST MIDTERM MODEL- QUESTION PAPER****Standard : 12****Duration: 1:30 Hours****Marks : 50****PART -I****Choose the correct answer****10x1 =10**

1. The values which are passed to a function definition are called
  - (a) Subroutines
  - (b) Functions
  - (c) Definitions
  - (d) Arguments
2. Which of the following is a compound structure?
  - (a) Pair
  - (b) Triplet
  - (c) single
  - (d) quadrat
3. The process of subdividing a computer program into separate sub-programs is called
  - (a) Procedural Programming
  - (b) Modular programming
  - (c) Event Driven Programming
  - (d) Object oriented Programming
4. If a problem can be broken into subproblems which are reused several times, the problem possesses which property?
  - (a) Overlapping sub problems
  - (b) Optimal substructure
  - (c) Memoization
  - (d) Greedy
5. This symbol is used to print more than one item on a single line.
  - (a) Semicolon(;)    (b) Dollar(\$)
  - (c) comma(,)    (d) Colon(:)
6. Which is the most comfortable loop?
  - (a) do..while
  - (b) while
  - (c) for
  - (d) if..elif
7. What is the output of the following snippet?  
T=1  
while T:

**COMPUTER SCIENCE****FIRST MIDTERM MODEL QP**

```
print(True)
break
```

- (a) False      (b) True      (c) 0      (d) no output
8. Which function is called anonymous unnamed function
- (a) Lambda    (b) Recursion    (c) Function    (d) define
9. Which of the following operator is used for concatenation?
- (a) +            (b) &            (c)\*            (d) =
10. Let list1=[2,4,6,8,10], then print(List1[-2]) will result in
- (a) 10            (b) 8            (c) 4            (d) 6

**PART - II****Answer the following (any 5 questions)****5x2 =10****Question number 16 is compulsory**

11. Define Function With respect to programming language.
12. Differentiate Constructors and selectors.
13. What is mapping?
14. What is Searching? Write it types.
15. Write note on range() in loop.
16. How to set the limits for recursive function? Give an example.
17. Write short notes on Exponent data?

**PART –III****Answer the following (any 5 questions)****5x3 =15****Question number 23 is compulsory**

**COMPUTER SCIENCE****FIRST MIDTERM MODEL QP**

18. Why strlen is called pure function?
19. What are the different way to access the elements of a list. Give example.
20. Why access control is required?
21. Write short notes on Escape Sequence with examples.
22. List the difference between break and continue statement.
23. What happens when we modify global variable inside the function?
24. What is the use of format() ? Give an example.

**PART –IV****Answer the following in detail****3x5=15**

- 25.** Explain with an example interface and implementation. (OR)

How will you access the multi-item .Explain with example.

- 26.** Explain the types of scopes for variable or LEGB rule with example.(OR)

Explain the Bubble Sort Algorithm with example.

- 27.** Write a Python code to find the L.C.M of two numbers. (OR)

Explain about string operators in python with suitable example.

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