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Time : 1.15 hours

PART - A

I. Choose the best answer:

7×1=7

- The values which are passed to a function definition are called
 - arguments
 - Subroutine
 - function
 - Definition
- Which of the following statement is a valid recursive function definition?
 - let sum X Y :
 - let rec sum x y :
 - let rec sum x y :
 - let resum x y :
- The process of providing only the essentials and hiding the details is known as
 - constructors
 - selectors
 - abstraction
 - Tuples
- Which scope of variable is used in the following snippet?
 - Disp ().:
 - a: = 7
 - Print a
 - Disp ()
 - Built in scope
 - Enclosed scope
 - Global scope
 - Local scope
- Who developed python?
 - Ritche
 - Guido van Rossum
 - Bill gates
 - Sunder pitchai
- Which of the following is a valid hexadecimal number in python?
 - 102
 - 34L
 - 0256
 - 0 X 102
- Which statement is used as a place holder in python?
 - break
 - jump
 - pass
 - while

PART - B

II. Answer any three questions. Question No.9 is compulsory.

3×2=6

- What is subroutine?
- Write the syntax of if and if ..., else statements in python.
- What is tuple? Give an example?
- What are the key features of python?
- What is keyword? Give an example?

PART - C

III. Answer any 4 questions. Question No.14 is compulsory.

4×3=12

- Differentiate pure and impure functions with suitable example.
- Differentiate Constructors and Selectors.
- What are the Characteristics of Module?
- Write a note on asymptotic notation.
- Explain Ternary operator, in python with example.

18. Write a python program to display.

C

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PART - D

IV. Answer all the questions:

2x5=10

19. Explain the types of scope for a variable with example.

(OR)

Explain the algorithms for searching techniques with suitable example.

20. Explain loops in python with suitable example.

(OR)

Describe in detail the procedure script mode programming.