

TB245958T

Reg. No :

Name :

BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2024

2022 ADMISSIONS REGULAR

B.VOC SWD SEMESTER V - SKILL

VSD5S07B18 - Python Programming

Time : 3 Hours

Maximum Marks : 80

Part A

I. Answer any Ten questions. Each question carries 2 marks

(10x2=20)

1. a) Define Python variable. b) How do we declare a variable in Python?
2. Write a note on identifiers in Python.
3. Explain reserved words in Python. Write any two reserved words.
4. Explain Python Module .How can you rename a Module?
5. Differentiate between division and floor division in Python.
6. Compare equality operator and assignment operator in Python.
7. Point out the uses of default arguments in Python.
8. Illustrate the use of 'in' operator in a string.
9. Name the method used to find the length of a list. Write down the syntax.
10. Write any two dictionary functions to remove elements from dictionary.
11. Define Python file.
12. Define Python Modules.

Part B

II. Answer any Six questions. Each question carries 5 marks

(6x5=30)

13. Describe range and none data types in python with example.
14. Describe operator precedence in python. Are $4+3*2//3$ same as $(4+3)*2//3$. Show using Python coding. Add parentheses in the correct location in the expression $4+6*9-3/2$ to get the output as 22.0. Also, show the difference by coding.
15. a)Write down the syntax to get user input from keyboard in Python. b) Write a program to find the sum of two integers a and b and print the sum.
16. Explain about single line and multiline comments in Python.
17. Write short notes on local and global variables. Explain with suitable examples.
18. Differentiate between continue and pass statements in Python
19. Differentiate between List and Tuple.
20. Differentiate between remove() and pop() functions in List with example. Write a python program to split the words in a given sentence and count the number of letters in each word using List.
21. Explain different Python Module functions to generate random numbers with example.

Part C

III. Answer any Two questions. Each question carries 15 marks

(2x15=30)

22. What are the standard data types that are used in Python? Explain
23. Write python programs to i)Generate a random number ii)Find the maximum and minimum of a set of given decimal numbers. iii)Print a complex number and its real and imaginary parts .
24. Explain about different string methods in Python.

25. .Explain a) The term "mapping" in List b) Aliasing and cloning of List objects with example. c) Any four methods to delete the elements from a List.