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TB245116H

Reg. No : .....

Name : .....

**BACHELOR'S DEGREE (C.B.C.S) EXAMINATION, NOVEMBER 2024**  
**2018, 2019, 2020, 2021 ADMISSIONS SUPPLEMENTARY**  
**B.VOC S.W.D 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. List out the standard data types used in python.
2. Write a note on identifiers in Python.
3. Explain why python is called dynamically typed programming language?
4. Describe the syntax of single line comment statement in Python?
5. Define operator precedence in Python.
6. Compare equality operator and assignment operator in Python.
7. Why do we say that the strings are immutable?
8. Define Boolean expression.
9. Name the method used to find the length of a list. Write down the syntax.
10. Describe the method to create an empty dictionary and how to add elements to it.
11. Define Python Packages.
12. Define Python file.

**Part B**

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

**(6x5=30)**

13. What are the pros and cons of script mode?
14. Differentiate between dynamically typed programming language and statically typed programming language with example.
15. Explain about single line and multiline comments in Python.
16. Write programs to i) Check the given number is even or odd ii) Find the square of sum of two numbers using python functions.
17. Describe the methods to remove spaces from the string and finding the substrings from the given string.
18. Differentiate between continue and pass statements in Python
19. Explain the terms a) Augmented assignment statement b) Reduce c) Accumulator in List with an example.
20. Is Tuple comprehension supported by python? Justify your answer with example. What will be the output of the following code? `t= (x**2 for x in range(1,6)) print(type(t)) for x in t: print(x)`
21. Explain in detail about the special variable `_name_` in python with example.

**Part C**

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

**(2x15=30)**

22. Explain the features of Python in detail.
23. Explain logical, bitwise and assignment operators in Python with example.
24. Explain about different user defined function parameters in python with example.
25. Explain a) Nested List b) List Comprehension c) Any five functions to manipulate the elements from the List with example.

