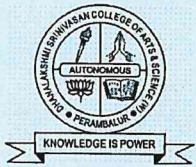**DHANALAKSHMI SRINIVASAN COLLEGE**

OF ARTS & SCIENCE FOR WOMEN

(AUTONOMOUS)

(For Candidates admitted from 2018-2019 onwards)

UG DEGREE EXAMINATIONS APRIL – 2021

B.C.A – COMPUTER APPLICATIONS

PYTHON APPLICATION PROGRAMMING

Time: 3 Hrs   Max.Marks: 75

PART – A

CHOOSE THE CORRECT ANSWER.   (10*1=10)

1. Which of the following is an invalid variable?

   a) my_string_1   b) 1st_string   c) foo   d) _

2. Which keyword is used for function?

   a) Fun   b) Define   c) Def   d) Function

3. Which of the following expressions involves coercion when evaluated in Python?

   a) 4.7 – 1.5   b) 7.9 * 6.3   c) 1.7 % 2   d) 3.4 + 4.6

4. The output of executing string.ascii_letters can also be achieved by:

   a) string.ascii_lowercase_string.digits   b) string.ascii_lowercase+string.ascii_uppercase

   c) string.letters   d) string.lowercase_string.uppercase

5. Suppose t = (1, 2, 4, 3), which of the following is incorrect?

   a) print(t[3])   b) t[3] = 45   c) print(max(t))   d) print(len(t))

6. What is the output when we execute list("hello")?

   a) ['h', 'e', 'l', 'l', 'o']   b) ['hello']   c) ['llo']   d) ['olleh']

7. Suppose list1 is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after list1.reverse()?

   a) [3, 4, 5, 20, 5, 25, 1, 3]   b) [1, 3, 3, 4, 5, 5, 20, 25]

   c) [25, 20, 5, 5, 4, 3, 3, 1]   d) [3, 1, 25, 5, 20, 5, 4, 3]

8. What will be the output of the following Python code?

   nums = set([1,1,2,3,3,3,4,4])

   print(len(nums))

   a) 7   b) Error, invalid syntax for formation of set   c) 4   d) 8

9. What is the purpose of the method JSON.*parse()*?

   a) Parses a string to integer   b) Parses a string to JSON

   c) Parses a string from JSON to JSON2   d) Parses integer to string

10. Which of the following is not a XML storage option?

    a) Native storage as XML data type   b) Mapping between XML and relational storage

    c) Small object storage   d) None of the Mentioned

PART – B

ANSWER ALL THE QUESTIONS   **(5*7=35)**

11. a) Explain the order of operations.

(OR)

    b) Write a note on functions.

12. a) Explain the concept of Iteration.

(OR)

    b) What is called b list? Explain.

13. a) Give a note on Tuple.

(OR)

    b) Explain about the pure function.

14. a) Write a note on Abstract data types.

(OR)

    b) Explain the concept of priority queue.

15. a) Explain about HTTP and HTML.

(OR)

    b) Write a note on JavaScript object notation.

PART – C

ANSWER ANY THREE QUESTIONS   **(3*10=30)**

16. Give a note on logical operators.

17. Explain about the term patterns.

18. Write a note on sequences.

19. Explain about the concept of linked list.

20. Describe the concept Application Programming Interface..