Reg. No. : ☐☐☐☐☐☐☐☐☐☐

Question Paper Code: 58463

B.E. / B.Tech. DEGREE EXAMINATION, DEC 2021

One credit course

Electronics and Communication Engineering

15UEC863 - INTRODUCTION TO PYTHON PROGRAMMING

(Regulation 2015)

Duration: 1.30 hours   Maximum: 50 Marks

Answer ALL Questions

PART A - (20 x 1 = 20 Marks)

1.   Which of the following is not a keyword?

(a) eval   (b) assert   (c) nonlocal   (d) pass

2.   What is the output when following statement is executed ?   >>>"abcd"[2:]

(a) a   (b) ab   (c) cd   (d) dc

3.   What is answer of this expression, 22 % 3 is?

(a) 7   (b) 0   (c) 1   (d) 5

4.   What data type is the object below ?   L = [1, 23, 'hello', 1].

(a) list   (b dictionary   (c) array   (d) tuple

5.   Suppose listExample is ['h','e','l','l','o'], what is len(listExample)?

(a) 5   (b) 4   (c) none   (d) error

6.   Which keyword is use for function?

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

7.   which of the following data types is not supported in python?

(a) Tuple   (b) Dictionary   (c) Generics   (d) List

8.   Operators with the same precedence are evaluated in which manner?

(a) Left to Right   (b) Right to Left   (c) Can't say   (d) None

9.   Which of the following functions is a built-in function in python?

(a) seed()   (b) sqrt()   (c) factorial()   (d) print()

10. Which function overloads the // operator?

    (a) __div__()   (b) __ceildiv__()   (c) __floordiv__()   (d) __truediv__()

11. Which one of the following have the highest precedence in the expression?

    (a) Exponential   (b) Addition

    (c) Multiplication   (d) Parentheses

12. Which operator is overloaded by __invert__()?

    (a) !   (b) ~   (c) ^   (d) −

13. What is the output of the following?   print("xyyzxyzxzxyy".count('yy'))

    (a) 2   (b)0   (c) none   (d) error

14. What is a variable defined outside a function referred to as?

    (a) A static variable   (b) A global variable

    (c) A local variable   (d) An automatic variable

15. Which of the following cannot be a variable?

    (a) __init__   (b) in   (c) it   (d) on

16. Which one of these is floor division?

    (a) /   (b) //   (c) %   (d) None of the mentioned

17. What datatype is the object below ?   L = [1, 23, 'hello', 1].

    (a) list   (b) dictionary   (c) array   (d) tuple

18. What arithmetic operators cannot be used with strings?

    (a) +   (b) *   (c) −   (d) All of the mentioned

19. What is a variable defined inside a function referred to as?

    (a) A global variable   (b) A volatile variable

    (c) A local variable   (d) An automatic variable

20. Python created in

    (a) 1989   (b) 2005   (c) 1998   (d) 2015

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21. (a) (i) Write various types of Data types in Python. Explain any 5 Datatypes.   (10)

    (ii) Explain python list with some examples.   (5)

Or

(b) (i) Write a program for Swap Two Variables without using temporary variable.   (10)

    (ii) Write a program for Swap Two Variables using temporary variable.   (3)

    (iii) Write Python function Syntax.   (2)

22. (a) (i) Write a Python Program to Check Prime Number.   (10)

    (ii) Point out the rules of identifiers.   (5)

Or

(b) (i) Write a program for Swap Two Variables without using temporary variable   (7)

    (ii) Write a Python Program to Find the Largest Among Three Numbers.   (8)

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