November 2022

Time – Three hours
(Maximum Marks: 100)

[N.B.   1.   Answer all questions under Part-A each question carries 3 marks.
        2.   Answer all the questions either (A) or (B) in Part-B each question carries 14 marks.]

PART – A

1.   What is python?

2.   How many data types are available in python? Name them.

3.   Write down the syntax of simple if statement with example.

4.   Write down the differences between break and continue.

5.   What is a string in python?

6.   What do %s, %d, %x stand for?

7.   How the values in a tuple are accessed?

8.   Give the example for zip, min, max methods.

9.   Write down the order of the file operations in python.

10. Give syntax for try except with multiple exceptions.

[Turn over.....

PART – B

11. (a) Explain in detail about how to install and run python.

(Or)

(b) Solve any four bitwise operations using bitwise operators with explanation for the value x=10 and y=12.

12. (a) Explain in detail with example about the decision making statements.

(Or)

(b) Explain in detail about the various types of arguments used in python user defined functions.

13. (a) (i) Whether strings are immutable? If yes, how to create them and how to create a multiple line strings? Explain.
    (ii) What is the output of the following? Var="Helloworld"
    (a) print var[1] (b) print len(var) c) print var[-2].

(Or)

(b) (i) Write the syntax, description with example for the following string functions.a)count b)replace c)startswith.
    (ii) What is the role of escape character in a string? Explain.

14. (a) What is tuple? How they are created? Explain with different examples.

(Or)

(b) What are the different operations performed on the dictionary? Explain.

15. (a) Explain in detail about reading a file and writing a file.

(Or)

(b) List any five built in exception? Explain any three with example.

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