1. Which of the following is not a core datatype in python?

Ans:- struct

1. Which of the following is an invalid variable name in python?

Ans:- 1\_no

3. Which one of the following is a keyword in python?

Ans:- \_init\_

4.In which of the following manner are the operators of the same precedence executed in python?

Ans:- Left to Right

5. Arrange the following in decreasing order of the precedence when they appear in an expression in python?

Ans:- iv – iii – ii – i

6. (28//6)\*\*3/3%3 = ?

Ans:-1

7. Which of the following is not equal to x16 ?

Ans:- x\*\*16

8. a = input(“Enter an integer”). What will be the data type of a?

Ans:- int

9. Which of the following statements are correct?

Ans:- Division and multiplication have same precedence in python

Python’s operators’ precedence is based on PEDMAS

In case of operators’ having same precedence, the one on the left side is executed first.

10. Which of the following is(are) valid statement(s) in python?

Ans:- a,b,c = 1000, 2000, 3000

a\_b\_c = 1,000,000

11. Differentiate between a list, tuple, set and dictionary

Ans:List has mutable nature i.e., list can be changed or modified after its creation according to needs whereas tuple has immutable nature i.e., tuple can't be changed or modified after its creation. Also, you can't use a list as a key for a dictionary.

12. Are strings mutable in python? Suppose you have a string “I+Love+Python”, write a small code to replace ‘+’ with space in python.

Ans:-Strings are immutable.

import re

>>> string="I+Love+Python"

>>> print(string)

I+Love+Python

>>> string=string.replace(" ","+")

>>> print(string)

I+Love+Python

>>> string=string.replace("+"," ")

>>> print(string)

I Love Python

13.What does the function ord() do in python? Explain with example. Also, write down the function for getting the datatype of a variable in python

Ans:- The ord() function in Python accepts a **string** of length 1 as an argument and returns the unicode code point representation of the passed argument. For **example** ord('B') returns 66 which is a unicode code point **value** of character 'B'.

14. Write a python program to solve a quadratic equation of the form 𝑎𝑥2 + 𝑏𝑥 + 𝑐 = 0. Where a, b and c are to be taken by user input. Handle the erroneous input, such as ‘a’ should not be equal to 0.

Ans: