

## UNSOLVED QUESTIONS

1. What are the advantages of Python programming language?
2. In how many different ways can you work in Python?
3. What are the advantages/disadvantages of working in interactive mode in Python?
4. Write Python statement for the following in interactive mode:
  - (a) To display sum of 3, 8.0, 6\*12
  - (b) To print sum of 16, 5.0, 44.0.
5. What are operators? Give examples of some unary and binary operators.
6. What is an expression and a statement?
7. What all components can a Python program contain?
8. What are variables? How are they important for a program?
9. Write the output of the following:

```
(i) for i in '123':  
    print("guru99", i, )  
(ii) for i in [100, 200, 300]:  
    print(i)  
(iii) for j in range(10, 6, -2):  
    print(j*2)  
(iv) for x in range(1, 6):  
    for y in range(1, x+1):  
        print(x, ' ', y)  
(v) for x in range(10, 20):  
    if (x == 15):  
        break  
    print(x)  
(vi) for x in range (10, 20):  
    if (x % 2 == 0) :  
        continue  
    print(x)
```

10. Write the output of the following program on execution if x = 50:

```
if x>10:  
    if x>25:  
        print("ok")  
    if x>60:  
        print("good")  
elif x>40:  
    print("average")  
else:  
    print("no output")
```

11. What are the various ways of creating a list?
12. What are the similarities between strings and lists?
13. Why are lists called a mutable data type?
14. What is the difference between insert() and append() methods of a list?
15. Write a program to calculate the mean of a given list of numbers.
16. Write a program to calculate the minimum element of a given list of numbers.