





```
d={'Spring':'autumn','autumn':'fall','fall':'spring'}
```

```
print(d['autumn'])
```

- a) autumn
- b) fall
- c) spring
- d) Error

Q19. Given a list L=[10,20,30,40,50,60,70], what would L[2:-2] return 1

- a) [10,20,30,40]
- b) [20,30,40,50]
- c) [20,30,40]
- d) [30,40,50]

Q20. Dictionaries are also called..... 1

- a) Mapping
- b) Hashes
- c) associative arrays
- d) all of these

### CONCEPTUAL BASED QUESTIONS – 14 MARKS

Q21. How is **clear()** function different from **del <dict>** statement 2

Q22. What does each of the following expressions evaluates to ? Suppose that L is the list 2

```
['These',['are'],'a','few','words'],'that','we','will','use']
```

- (a) L[1][3][1:]
- (b) L[2][1].upper()

Q23. What is the use of range() function ? Explain with the help of an example 2

Q24. What are the three internal attributes of a value-variable in Python? Explain with example. 2

Q25. Define Token. How many types of tokens are allowed in Python? 2

Q26. What do you understand by input unit? What is its significance? 2

Q27. What is cross platform software? 2

### APPLICATION BASED QUESTIONS – 18 MARKS

Q28. What is the output of the following code: 2

```
d1={5:[6,7,8],'a':[1,2,3]}
print(d1.keys())
print(d1.values())
```

Q29. Predict an output: 2

```
Odd=[3,4,5]
print((Odd+[12,13,14])[3])
print((Odd+[78,89,90])[4] – (Odd+[2,4,6])[4])
```

Q30. Predict an output of the following code: 2

```
for x in [1,2,3,4,5]:
    print(x*2)
```

Q31. Predict an output of the following: 2

```
a=5-4-3
b=3**2**3
print(a)
print(b)
```

Q32. Predict an output of the following: 2

```
x,y=20,60
y,x,y=x,y-10,x+10
print(x,y)
```

- Q33. Predict an output of the following: 2
- ```

my_list=['c','l','a','s','s','i','c']
my_list[2:3]=[]
print(my_list)
my_list[2:5]=[]
print(my_list)

```
- Q34. Find the error: Rewrite the code in correct form. 2
- ```

list1=[4,9,7]
list2=list1*[3,5]
print(list1*3.0)
print(list2)

```
- Q35. Create a dictionary ODD of odd numbers between 1 and 10, where the 2  
key is the decimal number and the value is the corresponding in words.  
Write the answer and perform the following operations on this dictionary:
- Check if 7 is present or not
  - Retrieve the value corresponding to the key 9
- Q36. Predict an output of the following code: 2
- ```

myDict={'a':27,'b':43,'c':25,'d':30}
valA=""
for i in myDict:
    if i>valA:
        valA=i
        valB=myDict[i]
print(valA)
print(valB)

```

#### PROGRAMMING PRACTICE – 18 MARKS

- Q37. Ask the user to enter a list containing numbers between 1 and 12 Then 3  
replace all the entries in the list that are greater than 10 with 10.
- Q38. Write a program to create a dynamic dictionary to store names of states 3  
and their capitals.
- Q39. Write a program in Python which inputs a list of numbers and find out 3  
the maximum and minimum element of it. **For an example, if a list is  
[82,23,34,45] then output will be maximum=82 and minimum=23**
- Q40. Write a program to calculate the sum of odd numbers divisible by 5 from 3  
the range(1....100)
- Q41. Write a program to find the area of circle. 3
- Q42. Write a program to find the simple interest based principal amount, rate 3  
and time (Hints: **Simple Interest= (principal amount\*rate\*time)/100**)