Pushpendra singh
Jodhpur institute of Engineering
& Technology
Mid-Term (online) Practical Examination
2020-21
III B.tech (VI semester)
CSE (B)
6CS4.23 = Python Lab

PART-B

Que3] Different data Types available in
Python

(i) Python Numbers
(ii) Python list
(iii) Python Tuple
(iv) Python strings
(v) Python set
(vi) Python Dictionary
(vii) Boolean Type

Que4 Difference Between remove del
and pop in Python list

- remove() delete the matching element /
object whereas del and pop removes the
element at a specific index

- del and pop deals with the index. The only
difference b/w the two is that - pop
return deleted the value from the
list and del does not return anything

- POP is the only way that returns the object

Ques :- Easy to code :-
Python is a high level Programming language.
Python is very easy to learn the language
Python is very easy to learn the language
+. as compared to other languages like
C, C# Javascript, Java etc. It is very
easy to code in Python language and any body
can learn python basics in a few hours
or days. It is also developer friendly
language.

2. Free and open Source.
Python language 4 freely available at the
official website and you can download
it from the given download link below click
on the download python keyword

$$d = \{"1":"A", "2":"B", "3":"C"\}$$

For key, value in d.items():

For ele in value:
Point (ele)

Que. 6 The Membership operators is used to
test membership in Variable such as
strings, integers etc. in and not, are

Membership operator

The Identity operator evalutes true if the variable on either side has some object and false otherwise.

'is' is a identity operator

Que.7 A recursive function is one which calls itself.

Advantages of recursion

1. The code may be easier to write.
2. To solve such Problems which are naturally recursive such as tower of Hanoi.
3. Reduce unneccessary calling of function.
4. Extreamly useful when applying the same solution.
5. Recursion Reduce the length of code.

Disadvantage of Recursion

1. Recursion functions are generally slower than non-recursive function.
2. It may require a lot of memory space to hold intermediate results on the system stacks.
3. Hard to analyze or understand the code.
4. It is not more efficient in terms of space & time complexity.

Que.8 In Python, an anonymes function means that a function is without a name. As we already know that the def keyword

is used to define a normal function in python. Similarly, the lamda keyword is used to define an anonymes function in Python.

Que.9 - A return statement is used to end the execution of the function call and "returns" the result (value of the enpression following the return keyword) to the caller. The statements after the return statements are not enecuted.

```
def fun():              output:- 1
    i=1
    return i
Print( fun())
    It is not necessary to return
```

Que.10 The range() function in Python is often used in for statements to define the number of loop iterations
range (start, stop, (step))

```
for i in range (1, 13):
    print ("This is the " i " iteration")
```

Que.12. # Pass Statement

As the name suggests Pass statement simply does nothing We use Pass statement to write empty loops. Pass is also used for empty control statements, function and classes

Python Program to demontrates
difference b/w Pass and
continue statements

```
S = "geeks"

# Pass statement
for i in s:
    if j == 'k':
        Print ('Pass enacted')
        Pass
Print (i)
Print ()
# continue statement
for i in s:
    if j == 'k':
        Print ('continue enacuted')
        continue
Print (s)
```