

CLASS : XII SCIENCE

SUBJECT : COMPUTER SCIENCE – PYTHON (083)

NOTE:

***FOR NOW STUDENTS NEED NOT WORRY ABOUT THE TEXT BOOK OR REGISTER.**

***KINDLY GO THROUGH THE IMPORTANT QUESTION ANSWERS .**

***THE QUESTION ANSWERS SHOULD BE WRITTEN AFTER YOU WRITE THE NOTES.**

CHAPTER – 1 (IMPORTANT QUESTION ANSWERS)



Q1. What is None literal in Python?

Ans: Python has one special literal called “None”. It is used to indicate something that has not yet been created. It is a legal empty value in Python.

Q2. Can List be used as keys of a dictionary?

Ans: No, List cannot be used as keys of dictionary because they are mutable, and a python dictionary can have only keys of immutable types.

Q3. What is a python variable? Identify the variables that are invalid and state the reason.

Class, do, while, 4d, a+

Ans: A variable in python is a container to store data values.

a) do, while are invalid because they are python keyword

b) 4d is invalid because the name can't be started with a digit.

c) a+ is also not valid as no special symbol can be used in name except underscore (_).

Q.4 Predict the output
for i in range(1, 10, 3):
 print(i)

Ans: - 1
4
7

Q5. Rewrite the code after correcting errors: -

```
if N=>0
    print(odd)
else
    Print("even")
```

Ans: - if N>=0:

```
    print("odd")
else:
    print("even")
```



Q.6 What problem occurs with the following code

```
X=40
while X< 50 :
    print(X)
```

Ans: - The given code does not have the incrementing value of X, thus the loop becomes endless.

Q7. What will be the output of the following code snippet?

```
values =[]  
for i in range (1,4):  
    values.append(i)  
    print(values)
```

Ans: [1]
[1 ,2]
[1,2,3]



Q8. Program to create a list and access its elements –

<pre>a=[10,20,'abc',30,3.14,40,50] print(a) for i in range(0,len(a)): print(a[i], end=' ') print('\n') for i in range(len(a)-1,-1,-1): print(a[i], end=' ') print('\n') for i in a[::-1]: print(i, end=' ') print('\n') for i in reversed(a): print(i, end=' ')</pre>	<p>Output [10, 20, 'abc', 30, 3.14, 40, 50] 10 20 abc 30 3.14 40 50 50 40 3.14 30 abc 20 10 50 40 3.14 30 abc 20 10 50 40 3.14 30 abc 20 10</p>
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Q9. Name some functions used in a tuple.

Ans Some functions used in tuple are –

tuple(seq) - Converts a list into a tuple.

min(tuple) - Returns item from the tuple with min value.

max(tuple) - Returns item from the tuple with max value.

len(tuple) - Gives the total length of the tuple.

cmp(tuple1,tuple2) - Compares elements of both the tuples



Q10. Program to create and access elements in a dictionary.

```
# Creating a Dictionary
D = {1: 'Prasad', 'name': 'Govind', 3:
'Arya'}
# accessing a element using key
print("Accessing an element using key:")
print(D['name'])
# accessing an element using get() method
print("Accessing a element using get:")
print(D.get(3))
```

```
Output
Accessing an element using key:
Govind
Accessing an element using get:
Arya
```

Q11. Check whether the output of the following code fragment is correct -

```
x="hello world"  
print(x[:2],x[:-2],x[-2:])  
print(x[6],x[2:4])  
print(x[2:-3],x[-4:-2])
```

Ans: he hello wor ld

w ll

llo wo or

Q12. Rewrite the following programs after removing syntactical errors:

```
for=20  
for1=50:  
for3=for+for1+for2  
print(for3)
```



Ans:
f=20 #(as for is a keyword in python)
for1=50 #(: can not be used here)
for3=f+for1 #(for2 not defined)
print(for3)
