

**HOLIDAYS HOMEWORK – 2020-21**  
**CLASS XII**  
**COMPUTER SCIENCE**

**REVISION OF CLASS 11**

1. What will be the output of the following code?

```
dict = {}  
dict[1] = 11  
dict['1'] = 20  
dict[1] = dict[1] + 1  
count = 0  
for i in dict:  
    count += dict[i]  
print(count)
```

2. What will be the output of the following code?

```
dict = {1:'X', 2:'Y', 3:'Z'}  
del dict[1]  
dict[1] = 'D'  
del dict[2]  
print(len(dict))
```

3. What is the output of the following code?

```
dict={1:'dict',2:'B',3:'C'}  
for i,j in dict.items():  
    print(i,j,end=' ')  
numbers={1:5,2:22}  
letters={3:'B'}  
comb={}
```

```
comb['numbers'] = numbers
```

```
comb['letters'] = letters
```

```
print(comb)
```

**4. What will be the output of the following code snippet?**

```
dict = {'Name' : 'Python'}
```

```
id1 = id(dict)
```

```
del dict
```

```
dict = {'Name' : 'Python'}
```

```
id2 = id(dict)
```

```
print(id1 == id2)
```

**5. Given the following dictionary:**

```
inventory = {
```

```
'gold' : 500,
```

```
'pouch' : ['twine', 'gemstone'],
```

```
}
```

**Try to do the followings:**

\*Add a key to inventory called 'packet'

\*Set the value of 'packet' to 'seashell', 'strange berry'

\*sort() the items in the list stored under the 'pouch' key

**6. Write definition of a method/function AddOddEven(VALUE) to display sum of odd and even values separately from the list of VALUES.**

For example,

If the VALUES contain [15,26,37,10,22,13], The function should display

Even Sum: 58

Odd Sum: 65

## FUNCTIONS

1. Write the output of the following code?

```
def myfunc(a, b=5, c=10):  
    print('a is', a, 'and b is', b, 'and c is', c)  
  
myfunc(3, 7)  
  
myfunc(25, c = 24)  
  
myfunc(c = 50, a = 10)
```

2. Write the output of the following code?

```
x = 150  
  
def myfunc():  
    global x  
    print('x is', x)  
  
    x=2  
    print('Changed global x to', x)  
  
myfunc()  
  
print('Value of x is', x)
```

3. Write the output of the following statements.

- `print("xyz DEF".capitalize( ))`
- `print('*', "python".center(7), '*')`
- `print("aaybcbzxcxyy".count('yy'))`
- `print("Hello {0} and {1}".format('python', 'java'))`
- `print('while'.isidentifier())`
- `print('5.1'.isnumeric())`

## DATA FILE HANDLING

1. What Will Be the Output of the Following Code Snippet?

```
fo = open("myfile.txt", "w+")  
  
#name gives the name of the file linked with fo  
  
print ("File name is : ", fo.name)
```

```
seq="File handling is easy in python"
```

```
fo.writelines(seq)
```

```
fo.seek(0,0)
```

```
for line in fo:
```

```
    print (line)
```

```
fo.close()
```

**2. Observe the following code and answer the questions that follow:**

```
File = open("Mydata","a")
```

```
_____ #Blank1
```

```
File.close( )
```

i. What type (Text/Binary) of file is Mydata?

ii. Fill the Blank 1 with statement to write "ABC" in the file "Mydata"

3. Write a Python Program to Count the Number of Blank Spaces in a Text File.
4. Write a Python Program to Read a File and Capitalize the First Letter of Every Word in the File.
5. Write a Python Program to Read the Contents of a File in Reverse Order.
6. Write a function in Python to search and display details of all those students, whose stream is "HUMANITIES" from pickled file "Student.dat". Assuming the pickled file containing following data for the students:-  
Roll, Name, Stream, Percent
7. Write a function MULTIPLEX( ) in python to search and delete all the content in a pickled file CINEMA.DAT, where MTYPE is matching with the value 'Comedy'. File contains following details about Movies – (MNO,MNAME, MTYPE)