INDIAN SCHOOL MUSCAT

SECOND PERIODIC TEST

COMPUTER SCIENCE

CLASS: XII   Sub. Code: 083   Time Allotted: 50mts.
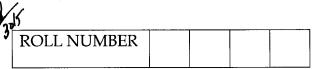
31.05.2022   Max. Marks: 20

GENERAL INSTRUCTIONS:
(a) All questions are compulsory.
(b) Programming language is Python.

1. Shivam wants to know the correct name resolution rule in Python. Please help him.   1

2. What is the difference between local and global variables?   1

3. What is the output of following program: 3
```
g=0
def fun1(x,y):
    global g
    g = x + y
    print(g)
    return g
def fun2(m,n):
    global g
    g = m - n
    print(g)
    return g
k=fun1(2,3)
fun2(k,7)
print(g)
```

4. What is the difference between "w" and "a" file modes?   1

5. The _____ method returns a list containing each line of the file as a list item.   1

6. Write a statement in Python to open a text file WRITEUP.TXT so that new content can be written in it.   1

7. Rewrite the following code in Python after removing all syntax error(s). Underline each correction done in the code.   2

```
myFile = None
for i in range (8):
    with open("data.txt", "w") myFile:
        if i > 5
            break
print(MYFile.closed)
print(myFile.name( ))
```

8. What is the use of flush( ) method? How it is different from close( ) method?   2

9. What is the output of following code?   2

```
myfile=open("story.txt","w")
myfile.write("Education Hub\n")
myfile.write("Learning is the key of success.")
myfile.close( )
myfile=open('story.txt','r')
s=myfile.readline( )
print(s,end=")
s1=myfile.read(5)
print(s1)
myfile.close( )
```

10. Write a python program to read a text file 'POEM.TXT' and display the number of lines in this file which are starting with an alphabet 'A'.   3

11. Write a python program to display the number of vowels in a text file "Book.txt".   3

End of the Question Paper

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GENERAL INSTRUCTIONS:

(a) All questions are compulsory.
(b) Programming language is Python.

1. What is the difference between text files and binary files?   1

2. Which function is used to write a list of string in a file?   1

3. Observe the following code and answer the question that follow: 1
    File = open("Mydata", "a")
    _____ #Blank
    File.close( )
    Fill in the blank with a statement to write "ABC" in the file "Mydata".

4. Rewrite the following code in Python after removing all syntax error(s). Underline each   2
    correction done in the code.
    File1 = None
    for x in range (5)
        with as open("names.txt", "w") File1:
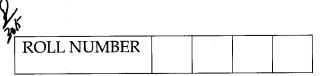   if x > 3:
                break
    print(File1.MODE)
    print(F1.closed)

5. What is the use of flush( ) method? How it is different from close( ) method?   2

6. What is the output of following code? 2

```
myfile=open("para.txt","w")
myfile.write("Hello\n")
myfile.write("Welcome to Python Programming")
myfile.close( )
myfile=open('para.txt','r')
s=myfile.read(5)
print(s)
s1=myfile.read(8)
print(s1)
myfile.close( )
```

7. Write a program in python to read a text file COUNTRY.TXT, and display those words, 3
which are less than 4 characters.

8. Write a python program to display the number of uppercase letters in a text file "Myfile.txt". 3

9. Ravi wants to know the correct name resolution rule in Python. Please help him. 1

10. What is the difference between local and global variables? 1

11. What is the output of following code? 3

```
x=20
def output (num):
    global x
    x=28
    if num % 5==0:
        x = x + num
    else:
        x = x - num
print(x, end="#")
x=30
print(x,end="#")
output (18)
print(x)
```

End of the Question Paper

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GENERAL INSTRUCTIONS:

(a) All questions are compulsory.
(b) Programming language is Python.

1. Differentiate between local and global variables.   1

2. Amit wants to know the correct name resolution rule in Python. Please help him.   1

3. What is the output of the following code?   3

```
count = 1
sum = 0
def func( ):
    global count
    count = 5
    for i in (1, 2, 3, 4):
        count += 1
    sum += count
print(count,end='$')
func( )
print(count,end='$')
print(sum)
```

4. Ajay is studying in an Engineering College in CSE branch. His sister, a class 12 student of   1
    Computer Science comes to him one day asking him the difference between r+ and w+
    modes of a file. What is the correct answer Ajay would give to his sister?

5. Write a statement in Python to open a text file SONG.TXT so that new content can be written in it.　　1

6. Which method returns a list containing each line of the file as a list item?　　1

7. What is the use of flush( ) method? How it is different from close( ) method?　　2

8. What is the output of following code?　　2

```
myfile=open("quote.txt","w")
myfile.write("Honesty is the best policy\n")
myfile.close( )
f = open("quote.txt", "r")
d =f.read(7)
d1 = f.read(8)
d2=f.read(4)
print(d)
print(d2)
```

9. Rewrite the following code in Python after removing all syntax error(s). Underline each correction done in the code.　　2

```
F1 = None
for i in range (15):
    WITH open("country.txt", "w") as F1:
    if i > 10
        break
print(F2.name)
print(F1.CLOSED)
```

10. Write a python program to display the number of words in a file "Names.txt".　　3

11. A text file contains alphanumeric text in the file "alphanum.txt". Write a python program that reads this text file and prints only the numbers or digits from the file.　　3

End of the Question Paper