# Rajalakshmi Engineering College

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## NeoColab_REC_CS23221_Python Programming

## REC_Python_Week 6_MCQ

Attempt : 1
Total Mark : 20
Marks Obtained : 18

## Section 1 : MCQ

1. Match the following:

a) f.seek(5,1) i) Move file pointer five characters behind from the current position

b) f.seek(-5,1) ii) Move file pointer to the end of a file

c) f.seek(0,2) iii) Move file pointer five characters ahead from the current position

d) f.seek(0) iv) Move file pointer to the beginning of a file

*Answer*

a-iii, b-i, c-ii, d-iv

*Status :* Correct                                                                                  *Marks : 1/1*

2. Fill in the blanks in the following code of writing data in binary files.

```
import _____ (1)
rec=[]
while True:
    rn=int(input("Enter"))
    nm=input("Enter")
    temp=[rn, nm]
    rec.append(temp)
    ch=input("Enter choice (y/N)")
    if ch.upper=="N":
        break
f.open("stud.dat","_____")(2)
_____.dump(rec,f)(3)
_____.close()(4)
```

*Answer*

(pickle,wb,pickle,f)

*Status :* Correct                                                      *Marks : 1/1*


3. What happens if no arguments are passed to the seek function?

*Answer*

error

*Status :* Wrong                                                        *Marks : 0/1*


4. What will be the output of the following Python code?

```
# Predefined lines to simulate the file content
lines = [
    "This is 1st line",
    "This is 2nd line",
    "This is 3rd line",
    "This is 4th line",
    "This is 5th line"
]
```

```
print("Name of the file: foo.txt")

# Print the first 5 lines from the predefined list
for index in range(5):
    line = lines[index]
    print("Line No %d - %s" % (index + 1, line.strip()))
```

**Answer**

Syntax Error

*Status :* Wrong                                                    *Marks : 0/1*

5.  Fill in the code in order to get the following output:

Output:

Name of the file: ex.txt

```
fo = open(_____(1), "wb")
print("Name of the file: ",_____)(2)
```

**Answer**

1) "ex.txt"2) fo.name

*Status :* Correct                                                  *Marks : 1/1*

6.  Fill the code to in order to read file from the current position.

Assuming exp.txt file has following 3 lines, consider current file position is beginning of 2nd line

Meri,25

John,21

Raj,20

Ouptput:

['John,21\n','Raj,20\n']

```
f = open("exp.txt", "w+")
_____(1)
print _____(2)
```

**Answer**

1) f.seek(0, 1)2) f.readlines()

*Status :* Correct                                                    *Marks : 1/1*

7. Which clause is used to clean up resources, such as closing files in Python?

**Answer**

finally

*Status :* Correct                                                    *Marks : 1/1*

8. How do you create a user-defined exception in Python?

**Answer**

By creating a new class that inherits from the Exception class

*Status :* Correct                                                    *Marks : 1/1*

9. Which of the following is true about

fp.seek(10,1)

**Answer**

Move file pointer ten characters ahead from the current position

*Status :* Correct                                                    *Marks : 1/1*

10. What is the output of the following code?

```
try:
```

```
    x = "hello" + 5
except TypeError:
    print("Type Error occurred")
finally:
    print("This will always execute")
```

**Answer**

Type Error occurredThis will always execute

*Status :* Correct                                                                                      *Marks : 1/1*

11.  What happens if an exception is not caught in the except clause?

**Answer**

The program will display a traceback error and stop execution

*Status :* Correct                                                                                      *Marks : 1/1*

12.  What is the correct way to raise an exception in Python?

**Answer**

raise Exception()

*Status :* Correct                                                                                      *Marks : 1/1*

13.  What is the purpose of the except clause in Python?

**Answer**

 To handle exceptions during code execution

*Status :* Correct                                                                                      *Marks : 1/1*

14.  What is the output of the following code?

```
class MyError(Exception):
    pass
```

```
try:
    raise MyError("Something went wrong")
except MyError as e:
    print(e)
```

**Answer**

Something went wrong

*Status :* Correct                                                    *Marks : 1/1*

15.  What is the difference between r+ and w+ modes?

**Answer**

in r+ the pointer is initially placed at the beginning of the file and the pointer is at
the end for w+

*Status :* Correct                                                    *Marks : 1/1*

16.  How do you rename a file?

**Answer**

os.rename(existing_name, new_name)

*Status :* Correct                                                    *Marks : 1/1*

17.  What will be the output of the following Python code?

```
f = None
for i in range (5):
    with open("data.txt", "w") as f:
        if i > 2:
            break
print(f.closed)
```

**Answer**

True

*Status :* Correct                                                    *Marks : 1/1*

18. What is the default value of reference_point in the following code?

file_object.seek(offset [,reference_point])

*Answer*

0

*Status :* Correct                                                                     *Marks : 1/1*

19. What is the output of the following code?

```
try:
    x = 1 / 0
except ZeroDivisionError:
    print("Caught division by zero error")
finally:
    print("Executed")
```

*Answer*

Caught division by zero errorExecuted

*Status :* Correct                                                                     *Marks : 1/1*

20. Which of the following is true about the finally block in Python?

*Answer*

 The finally block is always executed, regardless of whether an exception occurs or not

*Status :* Correct                                                                     *Marks : 1/1*