

2411001002010011
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (COMPUTER SCIENCE)
(SECOND SEMESTER)
MAJOR-1 PYTHON PROGRAMMING(TH)-
LEVEL 1

[Time: As Per Schedule]

[Max. Marks:50]

Instructions:

1. Fill up strictly the following details on your answer book

- a. Name of the Examination : **BACHELOR OF SCIENCE (COMPUTER SCIENCE) (SECOND SEMESTER)**
- b. Name of the Subject : **MAJOR-1 PYTHON PROGRAMMING (TH) LEVEL 1**
- c. Subject Code No : **2411001002010011**

2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.

Seat No:

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Student's Signature

Q.1 Answer the following questions.

10

1. To open a file c:\marks.txt for appending data, we use_____statement.
2. Write syntax and example for input () function.
3. What is the use of continue and break?
4. Judge the output of the following code.

```
for x in range (6):
    if x == 3: break
    print(x)
else:
    print ("Finally finished!")
```
5. Predict the output of the following code?

```
def my_function (a, b, /, *, c, d):
    print(a + b + c + d)
my_function (5, 6, c = 7, d= 8)
```

6. What is the output of the following code snippet?

```
b = "Hello, World!"  
print (b [-5: -2])
```
7. The output of the following code?

```
print ("apple is a fruit". split("is"))
```
8. What is the output of the following code?

```
string = "AI is the Future"  
print ("%s" %string [6:9])
```
9. Write output if number = [10, 20]; print(number*2)?
10. Assume quantity = [3, 4, 5, 20, 5, 25, 1, 3], then what will be the items of quantity list after quantity. pop (6)?

Q.2 Answer the following questions. (Any Two)

14

1. Write detail note on application of python also list its merits and demerits.
2. Explain Python loops giving example.
3. Write detail note on file handling in python.

Q.3 Answer the following questions. (Any Two)

14

1. What is dictionary? Give the syntax and example to declare a dictionary and also explain inbuilt function of it.
2. Write detail note on python list also explain its method giving example.
3. Explain Array Slicing, Copy, Shape, Reshape, Iterating, Array Join, Array Split, Array Search, Array Sort in numpy giving example.

Q.4 Write Short note on the followings. (Any Three)

12

1. Differentiate between list and tuple.
2. Write detail note on Line Chart.
3. Explain python module giving example.
4. Python user define function.
5. Explain data frame Slicing, Merging, Joining, Concatenation, Changing the index, Change Column headers in Pandas giving example.
