Question based on string

1. Select the correct output of the code :

```
S="Amrit Mahotsav @ 75"
A=S.split(" ",2)
print(A)
```

(a) ('Amrit', 'Mahotsav', '@', '75') (b) ['Amrit', 'Mahotsav', '@ 75']
(c) ('Amrit', 'Mahotsav', '@ 75') (d) ['Amrit', 'Mahotsav', '@', '75'
Ans:- (b) ['Amrit', 'Mahotsav','@ 75']

2. Which of the following statement(s) would give an error after executing the following code ?

```
S="Happy" # Statement 1
print(S*2) # Statement 2
S+="Independence" # Statement 3
S.append("Day") # Statement 4
print(S) # Statement 5
```

(a) Statement 2 (b) Statement 3 (c) Statement 4 (d) Statement 3 and 4
Ans:- (c) Statement 4

3 (a) Given is a Python string declaration : NAME = "Learning Python is Fun"
Write the output of : print(NAME[-5:-10:-1])
Ans:- si no

4. (i) Predict the output of the code given below :

```
text="LearningCS"
L=len(text)
ntext=""
for i in range (0,L):
  if text[i].islower():
    ntext=ntext+text[i].upper()
  elif text [i].isalnum():
    ntext=ntext+text[i-1]
  else:
    ntext=ntext+'&&'
print(ntext)
```

Ans:- SEARNINGgC

2023

1. Select the correct output of the code :

```
S= "Amrit Mahotsav @ 75"
A=S.partition (" ")
print (a)
```

(a) ('Amrit Mahotsav','@','75') (b) ['Amrit','Mahotsav','@','75']
(c) ('Amrit', 'Mahotsav @ 75') (d) ('Amrit','' , 'Mahotsav @ 75')
Ans:- (d) ('Amrit', '', 'Mahotsav @ 75')

2. Predict the output of the code given below :

```
def makenew(mystr) :
     newstr=""
     count=0
     for i in mystr :
          if count%2!=0:
               newstr=newstr+str(count)
          else :
               if  i.lower():
                    newstr=newstr+i.upper()
               else:
                    newstr=newstr+i
          count+=1
     print(newstr)
makenew("No@1")
```

Ans:- N1@3

2019

1. Find and write the output of the following python code

```
Msg1="WeLcOME"
Msg2="GUeSTs"
Msg3=""
for I in range(0,len(Msg2)+1):
    if Msg1[I]>="A" and Msg1[I]<="M":
        Msg3=Msg3+Msg1[I]
    elif Msg1[I]>="N" and Msg1[I]<="Z":
        Msg3=Msg3+Msg2[I]
    else:
        Msg3=Msg3+"*"
print Msg3
```

Ans:- G*L*TME

2019

1. Find and write the output of the following Python code :

```
Text1="AISSCE 2018"
Text2=""
I=0
while I<len(Text1):
  if Text1[I]>="0" and Text1[I]<="9":
    Val = int(Text1[I])
    Val = Val + 1
    Text2=Text2 + str(Val)
  elif Text1[I]>="A" and Text1[I] <="Z":
    Text2=Text2 + (Text1[I+1])
  else:
   Text2=Text2 + "*"
  I=I+1
print Text2
```

Ans:- ISSCE *3129

SQP-2024

1. Select the correct output of the code:

```
s = "Python is fun"
l = s.split()
s_new = "-".join([l[0].upper(), l[1], l[2].capitalize()])
print(s_new)
```

a. PYTHON-IS-Fun b. PYTHON-is-Fun c. Python-is-fun d. PYTHON-Is -Fun
Ans:- PYTHON-is-Fun

2. Consider the statements given below and then choose the correct output from the given options:

```
pride="#G20 Presidency"
print(pride[-2:2:-2])
```

a. ndsr b. ceieP0 c. ceieP d. yndsr
Ans:- Option b:- ceieP0

3. Write a function, lenWords(STRING), that takes a string as an argument and returns a tuple containing length of each word of a string. For example, if the string is "Come let us have some fun", the tuple will have (4, 3, 2, 4, 4, 3)

Ans:-

```
def lenWords(STRING):
    T=()
    L=STRING.split()
    for word in L:
        length=len(word)
        T=T+(length,)
    return T
```

4. Write the Python statement for each of the following tasks using BUILT-IN functions/methods only:

(ii) To check whether a string named, message ends with a full stop / period or not.
Ans:- message.endswith(".")

5. Predict the output of the Python code given below:

```
Text1="IND-23"
Text2=""
I=0
while I<len(Text1):
    if Text1[I]>="0" and Text1[I]<="9":
        Val = int(Text1[I])
        Val = Val + 1
        Text2=Text2 + str(Val)
    elif Text1[I]>="A" and Text1[I]<="Z":
        Text2=Text2 + (Text1[I+1])
    else:
        Text2=Text2 + "*"
    I+=1
print(Text2)
```

Ans:- ND-*34

SQP-2023

1. Select the correct output of the code:

```
a = "Year 2022 at All the best"
a = a.split('2')
b = a[0] + ". " + a[1] + ". " + a[3]
```

print (b)

(a) Year . 0. at All the best (b) Year 0. at All the best
(c) Year . 022. at All the best (d) Year . 0. at all the best
Ans:- (a) Year . 0. at All the best

2. Which of the following statement(s) would give an error after executing the following code?

```
S="Welcome to class XII" # Statement 1
print(S) # Statement 2
S="Thank you" # Statement 3
S[0]= '@' # Statement 4
S=S+"Thank you" # Statement 5
```

(a) Statement 3 (b) Statement 4 (c) Statement 5 (d) Statement 4 and 5
Ans: (b) – Statement 4

3. (a) Given is a Python string declaration: myexam="@@CBSE Examination 2022@@"
Write the output of: print(myexam[::-2])
Ans:- @20 otnmx SC@

(a) Predict the output of the code given below:

```
s="welcome2cs"
n = len(s)
m=""
for i in range(0, n):
    if (s[i] >= 'a' and s[i] <= 'm'):
        m =   m +s[i].upper()
    elif (s[i] >= 'n' and s[i] <= 'z'):
        m = m +s[i-1]
    elif (s[i].isupper()):
        m = m + s[i].lower()
    else:
        m = m +'&'
print(m)
```

Ans:- sELCcME&Cc

SQP-2022

1. If the following code is executed, what will be the output of the following code?

```
name="ComputerSciencewithPython"
print(name[3:10])
```

Ans:- puterSc

2. Find the output of the following code:

```
Name="PythoN3.1"
R=""
for x in range(len(Name)):
    if Name[x].isupper():
       R=R+Name[x].lower()
    elif Name[x].islower():
        R=R+Name[x].upper()
    elif Name[x].isdigit():
        R=R+Name[x-1]
    else:
        R=R+"#"
print(R)
```

a. pYTHOn##@ b. pYTHOnN#@ c. pYTHOn#@ d. pYTHOnN@#

Ans:- b. pYTHOnN#@

SQP-2021

1. Find and write the output of the following Python code:

```
def Display(str):
    m=""
    for i in range(0,len(str)):
        if(str[i].isupper()):
            m=m+str[i].lower()
        elif str[i].islower():
            m=m+str[i].upper()
        else:
            if i%2==0:
                m=m+str[i-1]
            else:
                m=m+"#"
    print(m)
Display('Fun@Python3.0')
```

Ans:- OUTPUT : fUNnpYTHON

SQP-2020

1. Find and write the output of the following python code:

```
def fun(s):
    k=len(s)
    m=" "
    for i in range(0,k):
        if(s[i].isupper()):
            m=m+s[i].lower()
        elif s[i].isalpha():
            m=m+s[i].upper()
        else:
            m=m+'bb'
    print(m)

fun('school2@com')
```

Ans:- SCHOOLbbbbCOM

2. Find and write the output of the following python code:

```
x = "abcdef"
i = "a"
while i in x:
    print(i, end = " ")
```

Ans:- aaaaaa----- OR infinite loop