

ONLINE TERM1 EXAMINATION 2020-21
CLASS XII
COMPUTER SCIENCE

Max: Marks: 40

Time: 2 hr

SECTION A

1. . Which of the following is valid arithmetic operator in Python:?
(i) // (ii) * (iii) < (iv) and 1
2. Suppose list1 is [3, 4, 5, 20, 5, 25, 1, 3], what is list1 after list1.pop(1)? 1
(i) [3, 4, 5, 20, 5, 25, 1, 3]
(ii) [1,3,3, 4, 5, 20, 5, 25]
(iii) [3, 5, 20, 5, 25, 1, 3]
(iv) [1, 3, 4, 5, 20, 5, 25,]
3. Which of the following is not a valid identifier? 1
i) nonlocal (ii) false (iii) my_sql (iv) eval
4. Which of the following function is not part of Pickle Module. 1
i) dump() ii) load() iii) print() iv) All of these
5. Name the python library modules which need to be imported to invoke the following functions: 1
i) floor()
ii) random()
6. Rewrite the following python code after removing all syntax error(s). Underline the corrections done. 2

```
W=raw_input('enter a word')  
If W <>'HELLO'  
    print W+2  
else  
    print W*2
```
7. Out of the following, find the identifiers, which cannot be used for naming Variable or Functions in a Python program: 2
_Cost, Price*Qty, switch, Address one, Delete, Number12
8. Predict the output of following code snippet: 1

```
Lst = [10,20,30,40,50,60,70,80,90]  
print(Lst[:3])
```

9. Write the output of the following program on execution if x=80.

2

```
x=80
if x>60:
    if x>25:
        print("Good")
    if x>90:
        print("Better")
    elif x>40:
        print("Best")
    else:
        print("Invalid Output")
```

10. Study the following program and select the possible output(s) from the options (i) to (iv) following it. Also, write the maximum and the minimum values that can be assigned to the variable Y.

2

```
import random
X= random.random()
Y= random.randint(0,4)
print (int (X),":", Y+ int(X))
```

i) 0 : 0 ii) 1 : 6 iii) 2 : 4 iv) 0 : 3

11: Find the output of the following code:

2

```
def showme(M,N):
    for I in range(N):
        if M[I]%5==0:
            M[I]//=5
        if M[I]%3==0:
            M[I]//=3
Val=[25,8,55,12]
showme(Val,4)
for N in Val:
    print (N,'#')
```

12. Find the write the output of the following python code (show the dry run chart): 2

```
def evaluate(A=40,B=50):
```

```
    A=A+B
```

```
    B=A-B
```

```
    print (A,'@',B)
```

```
    return A
```

```
P=100
```

```
Q=150
```

```
P=evaluate(P,Q)
```

```
print (P,'@', Q)
```

```
Q=evaluate(Q)
```

```
print (P,'@', Q)
```

13. Write a function definition ChangeEvenOdd(Num,N) in Python which should add 1 to every even number and subtract 1 from every odd number. The function should finally display the changed content of the list Num. 2

25	12	5	10	9	5	15	9	5	12
----	----	---	----	---	---	----	---	---	----

The function should display the output as follows:

24	13	4	11	8	4	14	8	4	13
----	----	---	----	---	---	----	---	---	----

14. Write a function for python PUSH_VALUE(list) and POP_VALUE(list) for performing PUSH and POP operations with a stack of list containing integers. The function must check for empty stack. 3

15. Write a python function Swapwords(word) to swap first part and second part of the string word. Assuming that there are even number of letters in the string word. The function should display the changed word. For example if word="Elephant" the function should convert the word to hantElep and display the output as: 2

Changed word is:hantElep

OR

Write a Python program to calculate the length of a string.

16. Write a method/function DISPLAYWORDS() in python to read lines from a text file STORY.TXT, and display those words, which are less than 4 characters. 2

OR

A text file named AGENCIES.TXT contains some text. Write the definition for function Showsites() in Python which displays all such words of the file which have more than 9 characters and start with 'www'.

For example Name:"technocraft",Website:www.technocraft.com

The function showsites should display as "www.technocraft.com"

17. Write the definition for function BILLING () in python to read each record of pickled file STOCK.DAT, where Price of the items are more than 1000.(ITEMNO,NAME AND PRICE) . 2

