

ATOMIC ENERGY CENTRAL SCHOOL NO-3, TARAPUR

WORKSHEET – Module-4

Sub: Computer Science

Class : XII

Lesson 1 : Computational Thinking And Programming

Name: _____ Roll No.: _____ Date: _____

Maximum Marks : 15 Marks Obtained: _____

1) What is indexing in context to python strings? Why is it also called two way indexing? (2)

2) What is a string slice ? How is it useful ? (2)

3) Find the output of the following (2)

```
line = "The early bird catches the worm"
```

```
L = line.split('a')
```

```
print(type(L))
```

```
for i in L:
```

```
    print(i)
```

4) Explain replace(old, new) with suitable example (2)

5) Rewrite the following code in Python after removing all syntax errors(s).

Underline each correction done in the code. (2)

```
S="AbCd1234"
```

```
l=0
```

```
d=0
```

```
u=0
```

```
for a in S:
```

```
    if a.islower:
```

```
        l=l+1
```

```
    if isdigit(a):
```

```
        u=u+1
    if a.isupper[a]:
        u=u+1
print("lowercase=",l,uppercase=u,"digit=",d)
```

6) Consider the string S=" Creativity Is Intelligence Having Fun" Write statements in Python to implement the following. (5)

- 1) To display the substring starting from index 4 and ending at index 8.
- 2) To check whether string has alphanu-meric characters or not.
- 3) To display the starting index for the substring "is".
- 4) To display the string after inserting "#" in between the characters .
- 5) To replace all the occurrences of letter "a" in the string with "@"
