

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY, WAKNAGHAT
T-1 EXAMINATION, Feb 2020
B. Tech. (Bioinformatics) IV Semester

COURSE CODE: 18B11BI414

COURSE NAME: Programming Languages for Bioinformatics

MAX MARKS: 15

MAX. TIME: 1 Hr.

*Note: All questions are compulsory. Attempt all questions of a particular section at one place.
Answer each question to the point.*

1. Write the output of following statements in python3: (5 marks) (CO4, CO6)

a.

```
curse = "AVADA KEDAVRA"  
print ( curse[6:] )
```

b.

```
quiddich_players = "chasers\nbeaters\nkeepers\nseekers\n"  
print ( len(quiddich_players))
```

c.

```
friends = ["Hermione", "Harry", "Ron"]  
print ("Three friends in Potterverse are: %s, %s, and %s" %  
(friends[1] , friends[2], friends[0] ) )
```

d.

```
DNA="ATAATATTAT"  
print ( DNA.replace("T", "A"))
```

e.

```
"Who" in "Whose name is longest of all"
```

2. Write python codes to do the following: (4 marks) (CO4, CO6)

- Write a Python program to remove the nth index character from a nonempty string
- Write a Python program to change a given string to a new string where the first and last characters have been exchanged.
- Write code to remove duplicates from a python list
- Write code to insert an element at a specified position in the python list.

3. Write short note with example on the following python function / method / statements. (6 marks) (CO4, CO6)

a. zip

b. enumerate

c. .items

d. .extend