

Python Assignment Questions

I. MCQ

1. The method to clear all elements in the set
i) remove() ii) discard() iii) clear() iv) delete()

answer = clear()

2. What will be the output of the following code snippet

```
a= 15 , b=3 , c=4
```

```
result = a + b *c // (c % b) – 5
```

```
print (result)
```

- i) 20 ii) 25 iii) 22 iv) 23

answer = 22

II. Theroy

1. Basic data types, representation and their description.

Ans: a) Boolean - bool - represents two values of logic and associated with conditional statements

b) Integer – int - positive and negative whole numbers

c) Float – float - real numbers

d) String – str - all strings or characters enclosed between single or double quotes

2. What are the different types of control structures in python. Give an example of each

Ans:

i) if – else

eg: if (a > 10)

 y = 1;

 else if (a == 10)

 y = 10;

 else

 y = 0;

ii) for loop

eg: sum = 0;

 for (int i = 1; i <= 8; i = i + 1)

 sum = sum + i;

iii) while loop

eg: int i;

 sum = 0;

 i = 1;

 while (i <= 8) begin

 sum = sum + i;

 i = i + 1;

