

## Section-4

### Boolean and Conditional Logic

Q1) Write data type names ?

4	
5.676	
True	
"hello"	

Q2) Write Output of the following programs ?

a) 

```
str_one = "hello"
str_two = "world"
message = str_one + " " + str_two
print(message)
```

b) 

```
message = "welcome!"
first_character = message[0]
print(message[-1])
```

c) 

```
message = "welcome!"
first_character = message[0]
print(first_character)
```

d) 

```
message = "welcome!"
print(message[10])
```

Q3) Output of following program ?

```
text = input("Type text here: ")
print(text)
```

Q4) **input function** return value type ?

- a) int
- b) str
- c) bool
- d) float

Q5) what is the data type of **num** variable ?

```
num = int(input("type any number"))
```

Q6) IDE stands for

Q7) Write all comparison operators ? ( name and symbols)

Q8) How to do equality in python ?

Q9) Indexing in programming starts at which number ?

Q10) Output of following program ?

```
a = True
b = False
if a and b:
    print("all Good")
else:
    print("a and b are not equal")
```