# BCM SCHOOL, BASANT AVENUE, DUGRI ROAD, LUDHIANA ASSIGNMENT (CLASS 10) <br> <br> SUBJECT-ARTIFICIAL INTELLIGENCE <br> <br> SUBJECT-ARTIFICIAL INTELLIGENCE <br> <br> CHAPTER- BASIC PYTHON 

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## Q1:- Multiple Choice Questions:-

1. Which one of the following is used to add an element 23 at index 2 in mylist?*
a) mylist.insert $(2,23)$
b) mylist.insert( 23,2 )
c) mylist.odd $(2,23)$
d)mylist.append()
2. Which of the following function is a function of numpy's random module in python?*
a) factorial()
b) print()
c) $\operatorname{seed}()$
d) $\operatorname{sqrt}($ )
3. What does pip stand for python?
a) Pip Installs Python
b) Program install Python
c) Preferred Installer Program
d) All of the mentioned
4. What is created with the help of plt.hist()?*
a) Box plot
b) Histogram
c) Line plot
d) Scatter plot
5. What will be the output of the following code snippet? print(type(5 / 2))
print(type(5 // 2))
a) float and int
b) int and float
c) float and float
d) int and int
6. Which of the following concepts is not a part of Python?
a) Pointers.
b)Loops.
c) Dynamic Typing.
D) All of the above.

Q2:- Short Question/Answers

1) How many comments are there in Python? Explain all types?
2) Explain List and operations performed by list?
3) What are the applications of Python?

## Q3:- Case Study based Questions

1. What are the values of the following Python expressions?

2** (3**2)
$(2 * * 3) * * 2$
2**3**2
a) $512,64,512$
b) $512,512,512$
c) $64,512,64$
d) $64,64,64$

