MIHON ASSIGNMENT (1) what the data types in python? Explain? Parta types are the classification of date items data types sepresent a kind of Value ad no Engitorego tedu denimentos Can be performed on the data. Numeric non-numeric and Boolean (tome/false) data are the most used data types However, coun popposaming language has its own classification largely se flecting its programming philosophy. Nomeric: A numeric value is very sepresentation of Sata which has a numoric Value. python identifies three types of numbers: - Integer: + ve (3) - ve Whole numbers. triog pripost and with a thooping point reprosentation (decimal Symbol) omplex number: - A number with real & imaginary components sepoesented as xtyj. x and y are posts & jis -1 Boolean Data with one of two built in Values True & False. No fice that I & see are Capital. Sequence is a ordered Collection of Similar of different dater types. on Strong - It is a Collection of one of more chalacters put in Single, double of

	Page No. : Date : / 201
	This ple Quotes This ple Quotes The Same type, put in Square brackets. The Same type, put in Square brackets. Tuple: It is an Collection of one of more data items, not ne cessary of the Same type, put in parientheses.
2	Briefly explain History of python? † python is widely used general-purpose, high-level programming language. It was † It is an object oriented programming language † It was Created by Graido Van Rossum during the yearsof 1985-1990. † It is named aftera IV show Monty Python's flying Gran's 4 not after
A:	Explain all the operators in python. 4 Another etic operators 4 Assignment operator 4 Comparison 4 Logical 4 Identity 50 Membership 60 Bitwise
*	Agithmetic operated: + -> addition /-> division > Subtraction /0 -> modulus * -> multipli cation ** -> Exponentication
	* - multipli costron * - * Exponentication

1	Jesignment operato 1-
B 19 in	= \\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
and the	+= / substitute and of the solution of
- Amari	+ ± 15 process and an elimination of 1
	%= -11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
. 020,975,11	* * = 1 bk. platice of ability to 10
gullanum.	A =
NO.	Composision operator
- OPA	== -7: equal
	2 = 3 not equal > 3 greater than
·N=	L -> lessor than >= -> greater than 8 equal to
	>= > greater than or equal to
	Conical approtest
	and > true if both 82 traine or > true if any one of them are
	not -> Reverse the sesult.
	na la
C.	Likem a com or the metal a -
	and the mater lighter and

Page No.: Identity operato): is > setures true it both variables are true is not spection I me if both variables are not the Same object. member ship operato!in -> Returns tome it a Dequence with the not in I Returns fore it a Sequence with the Specified x not in y value is not present in the object. Bit wise operator in 2 -7 AND -> OR 1.10 V -XOB ~ -> NOT >> -> Signed right shift. Suplain the teatures of python?

At Easy to Code to python is high level

- programming language it is very easy to

bearn Compare to other languages. Because it is freely avilable in the official website & it is open source.

Object oriented language:

It is one of the key feature of

python it supports classes, objects encapilate CIVI programming Supports graphical user interface can be made using module Such has Pygt 5, Py B7 4, WX Python.

8 TK in python. High-level programming: System white the Extensible feature:
we can wrote the proogram and can
be caupile in cl-c+ language. Peython is portable language:
Become it On be wothen written any where & Can be exicuted any whore Pythonis integrated languages

Because we can easily integrated python with othe language like c, ct etc. Interprêted language:

Because it will be exiluted line
by line.

	Page No. ; Date : / 201
(8) A)	large standard li brary: It provide sich set of madule of frontion & So we no need to write our onen. Dynamically typed language: the Variable is decided at our time not in advance. Justify why python is interactive in torpoeted language.