DATE ______PAGE No_____

Variables and Data types

<i>Q</i>)	What is statically typed and Dynamically typed Programming language? Statically and dynamically typed
	Agred programming language?
Ans	Statically and duranically typed
	languages are two different approaches
	to how variables are checked for
()	type correctness in programming languages.
	3.
	In Stedically typed language, the type of a
	In Stedically typed language, the type of a Variable is determined at Compile - time
	& Cannot Changed at runtime.
	Eg- Towa, C, C++ and Swift.
	O The state of the
	To dynamically typed language, the type
	In dynamically typed language, the type of a Variable 35 determined at runtime
	and (an be changed during the
	execution of the program.
	Eg- Python, Ruby, Java script and PHP.
	and when there the many the
(22)	What is the Variable in Java?
Ans)	A variable is a Container that stores
	a value of a specific data type,
	such as a number, a string of or
	characters, or a boolean (true of false).
	Variables are used to hold data that can
	be accessed and manipulated throughout
	the program.
Vi K	a sparty tracker in any the their the winds

signit mon porto enella And by using the assignment aperator (=). eg - int num = 20; and what are primitive data types in Java? And Primitive data types are basic data types that represent the most fundamental data types that can be stored in a variable Their are. & primitive data types. 1) byte - 1 byte default value O Short - 2 byte default Value O 8 byte. default Value OL 4 byte default value 0.0f 8 byte default value 0.0 d bit default value false Chart - 10 2 byte default value (40000) 1 byte = 8 bits. range formula Q5) What are the identifiers in Java? Variable, nethod, class, or other programming Construct.

06)	List the operators in Java?
Ans	
	Asithmetic (+,-,*,1,010)
	Relational ==, <,> <= ,> =
(iii	logical &2, 11, 3
iv)	Assignment = += -=
	Unary i++, i+-, ++i,i.
(iv	Bitwice &, ^, 1
	Bitwice & , \ (And, Exclusive OR, inclusive OR)
	<u>'</u>
07)	Explain about increment and decrement
Λ \	operators and give an examples.
(Avs)	This are mary operators, meaning they
	are applied to a single operand. These
	operators are used to increase or decrease
	the Value of a Variable by one.
:)	their are two ways postfix itt, i
::	postfix i+t, 1 prefix +ti,i
	Profession of the second of th
	Eq int i= 5; int i= 5
	Eg int $i = 5$; int $i = 5$ i int $j = i + i$;
2	i = 6, $i = 6$.
	J.
	first assign than first increment then increment ossign.
	increment assign.