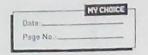
1.2 Assignment

- (1) Explain the tem "programming" A set of instauctions for computer to perfor specific task and solve problems.
 - Programming impacts our world in countless ways:
 - · From the websites you visit,
 - · The upps you usc.
 - · The games you play and the AL assistances you interact with.

steps in programming:

- 1. Problem défination
- 2. Algorithum duign
- 3. Coding
- 4. Compilation [Introportution
- 5. Testing
- 6. Debugging
- 7. Documentation
- 8. Maintance



- (2) Describe the history and importance of ctt.
 History:
 - todies of AT&T (Amedican Telephone & Telegruph located in U.s.A.
 - of Ctt language.
 - Tt was develop for adding a feature of OOP (Object Oriented programming) in clanguage.
 - Telative " (caned a superset) of c, it means any valid c program is also a valid ext program.

Importunce:

Ct+ is a powerful & versatile language with a coucial role in various invenations.

It's proformance, ressatility and established community make it a valuable skill too the programmers seeking to take a complex projects and pass the bound ries of software developments



	1. Performance & efficiency 2. Versatility and nutuar purpose. 3. Object Oriented Programming (OOP) support 4. Large community 5. Legacy codebase & compatibility 6. Low-level lunguage.	
(3)	Stute the difference bet	ween compiler and
CO	intapacka.	-35 (A)
	•	* Lower &
Compn	Compiler	entrabactes
Euput	It take un entire	It takes a single line of
	programe at a time	code at a time.
Output	It generates intermediate	It does not produce any intermediate object code.
Wooking	The compilation is done	compilation & execution
mechn"	before execution	takes place simulaneously.
Speed	Comperatively fuster	Slower
Memory	Manory requirement is	It dequires less memory
	more due to the cocation	it does not cocate into
	OF Object code.	diute object code.

Date:______Page No.:_____

ESSOSS	. 0	Display exxox of each
	compilation, all at the	time one by one.
	same time.	
N-1-1	Decce.	
EAROR	Disticult	Easier comparatively.
detection		
Dealer & In		
Pestain Pestain	C, C++, Ctf, Scala,	PHP, post, Python, Ruby,
brodry	typescript wes compiler.	uses an interpreter,
lung,		
		A Special Control of the Control of
,		
		V