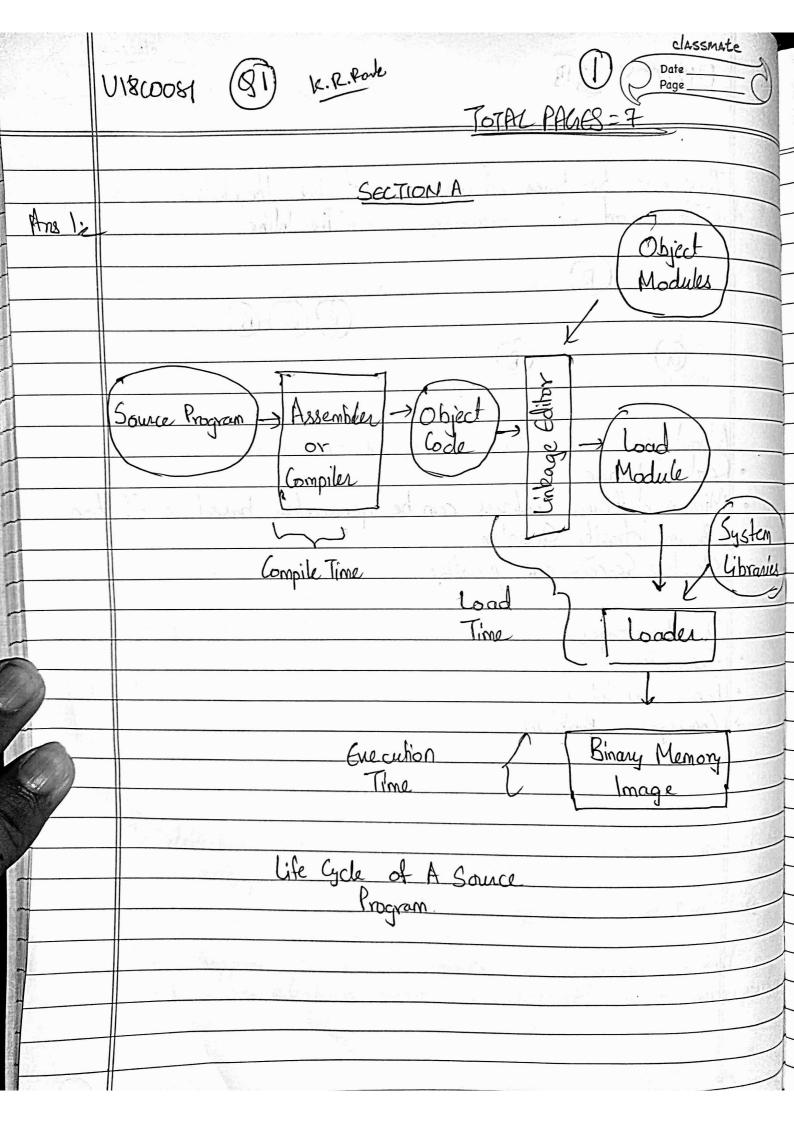
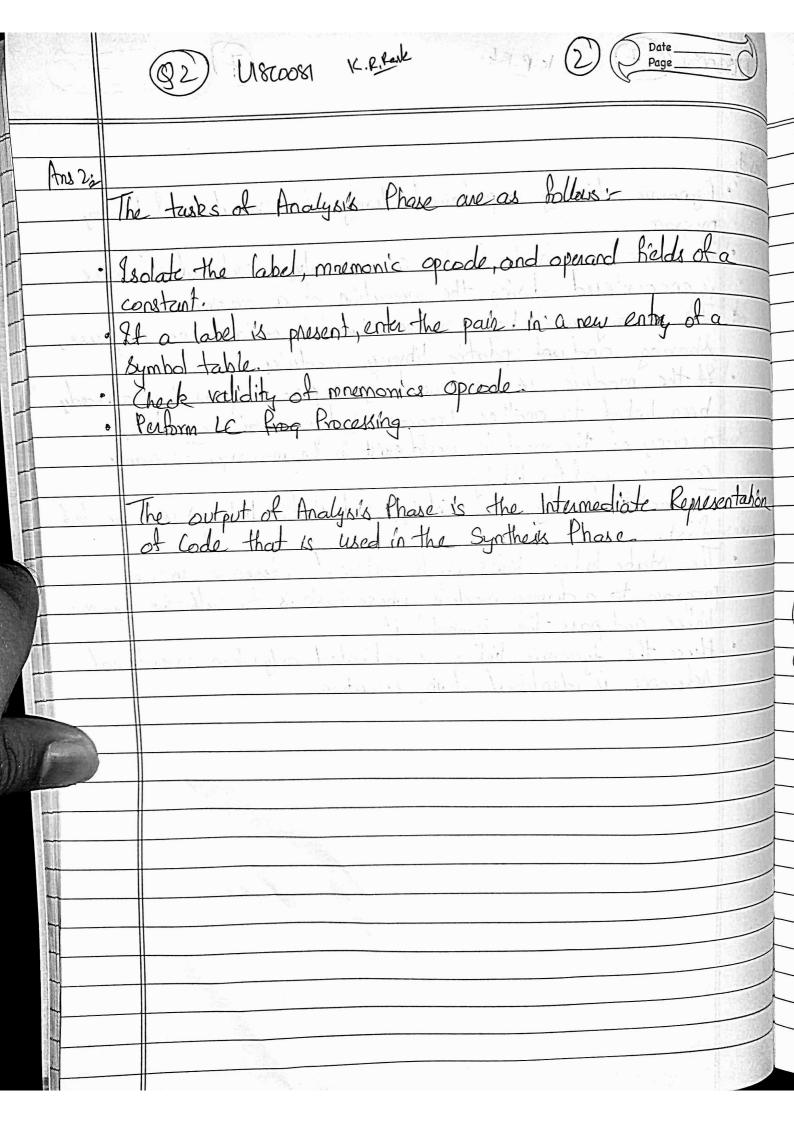
NAME: KRUNAL RANK EXAM: - MID GEMESTER EXAM





		(B3) U1860081 1C.R.R.mk (3) Date Page
	Ans 3	The Table of Incomplete Instruction is a Hash bused data structure that helps resolve the problem of forward referencing in a single pass assembles.
<i>\                                    </i>		Forward referencing refere to the fact that a symbol is used before it is defined.  Instructions containing forward references can be left incomplete until address of the referenced symbol is defined. These are
hón		placed in Table of Incomplete Instructions.  For example, in the below example,
	(101) (100)	START 100  MOVER AREG, A  LC No Incomplete Instruction  PRINT B  100  B
	(104)	A DS 3
		A lo used in LC No 100 and defined at LC No. 107. Hence, it is stored in TII and then TII is used to detect all definitions of underined symbol addresses.
	\( \)	

UISLOOSI (SS) 1c.R. rate A self relocating program is a program which can perform its our relocation of address sensitive information. · It is done with the help of a table of information that contains address sensitive instructions and code to perform relocation of such instructions. · An overlay structured program is a program which has the load origin as some other part of the program.

• Its loading overwrites the previously loaded overlay with the same load origin.

• It is used to reduce the main memory requirement of the Program.

U18 1008 Q7 K.R.R.L July & V Ans 7: · Dynamic linking is performed during the execution of binary . The linker is invoked when an unresolved external reference is ancountered during the execution of a program.
The arrangement has several benealts contain concerning use, sharing and up updating library modules. been linked to another program that is in ed execution, a copy of the module would exist in the memory. The same copy is used for linking. · To facilitate dynamic linking, sat state linking is executed first. nent The static linker links each external reference in the program to a dummy module whose task is to call the dynamic · Hence, the Lynamic linker is achivated only when an enternal reference is identified during execution.