

Answer to the question no -(7)

Executable and Linking Format(ELF) is the object format used in unix-like operating systems. This introduces the ELF file format in the big picture of Linux.

ELF each section and diagram,

ELF Structure: A Linux terminal, the command `man elf` gives you a handy summary about the structure of an ELF File consist linking function.

Listing 1: main page of ELF.

\$ man

ELF

NAME

SYNOPSIS

Naprym

Discription



Solivo  
naproxen+esomeprazole

an ELF file consists two section ..  
 an ELF header and file data

~~Links~~

Listing 2:

Listing 3:

Progbits - Progbits hold data related to the program. Example like, text data

Symboltable; it holds the symbol table

REL ; it is this section it holds

Relocation entries.

NOBITS - The empty and holds this section.

DYNAMIC This section would hold the details regarding linking with shared libraries

NULL: its an invalid one and connects to no section.

## Answers to the question no - (8)

Describe pass 1 :-

- ① Define symbol and liter and remember them in symbol table.
- ② Track of location converter.

Pass 2:-

Step 1: inc amount.

m. Signal or no literal is found

Step 2: mov total 48

48 in itrial so itrial table made

ITRIAL [Address]

Step 3: AND mask, 128

no, signal, and 128

[literal] [128]

Step 3: ADD, AH ; BH

no signal or no literal is found

Step 4: AND MASK ; 128

no signal, and -128 address

Literal (-128)

Step 5: ADD MARKS 10

Literal Address

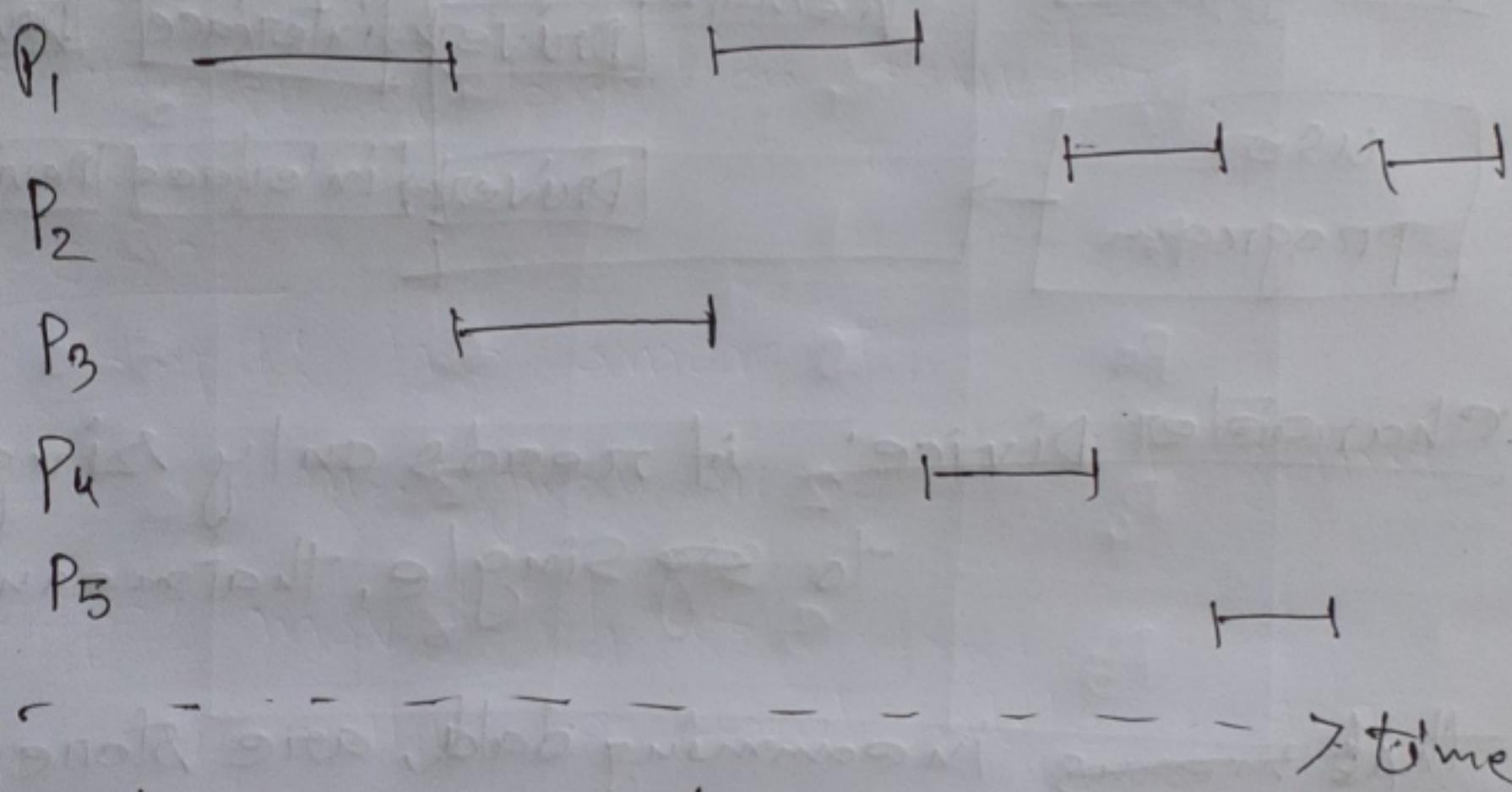
Step 6: <sup>10</sup> mov AL, IO

Literal Address

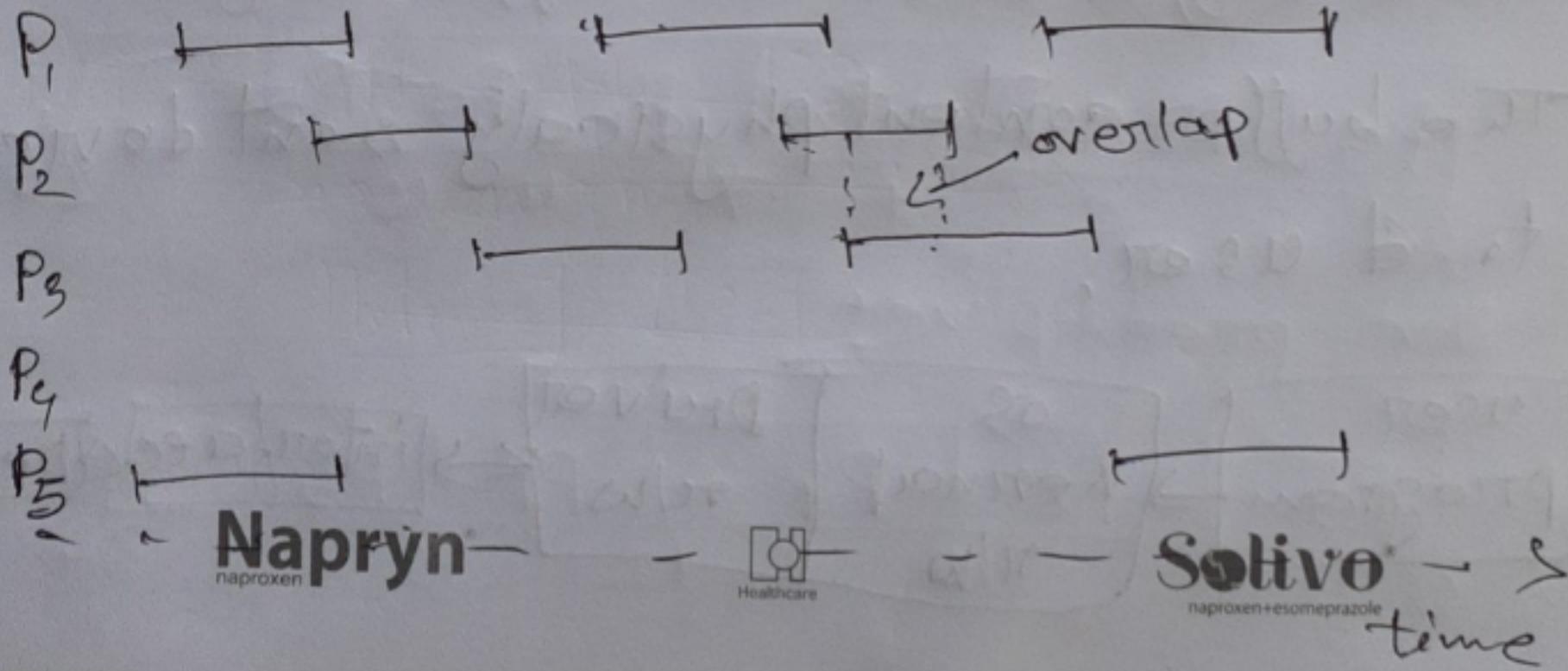
Answer to the Question - (5)(5) (5)

## Interleaving Concept:

### process

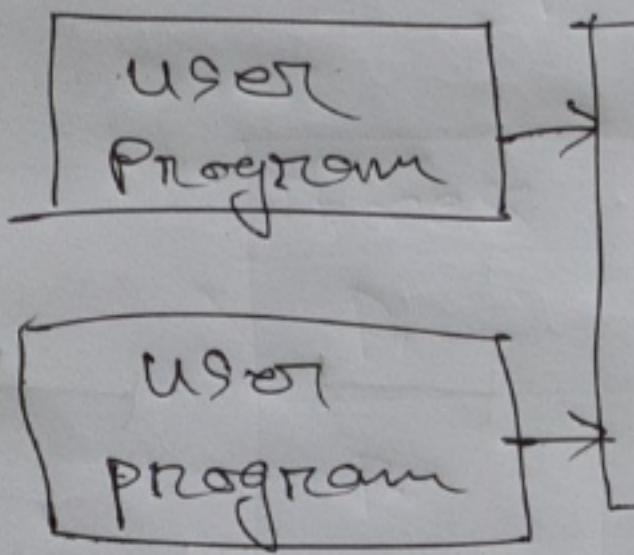


### overtapping concept

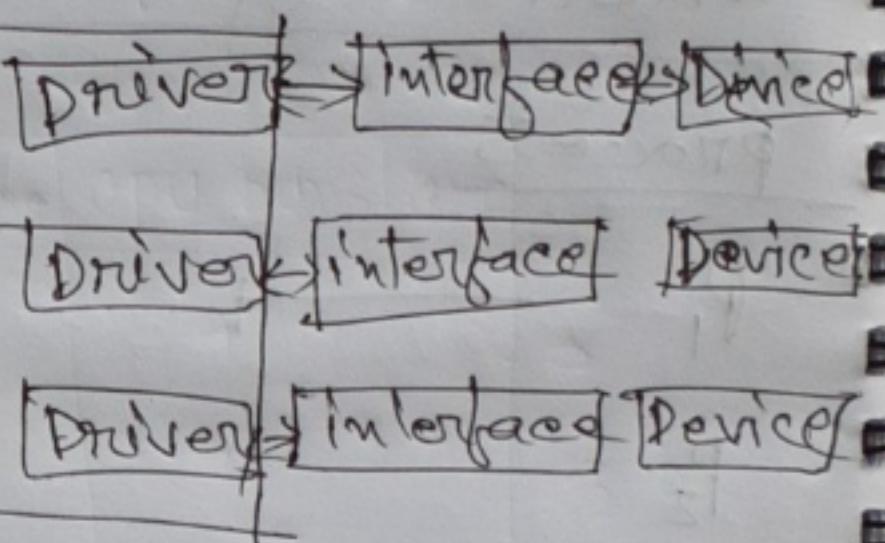


## Answer to the Question no—(3) (6)

### Software

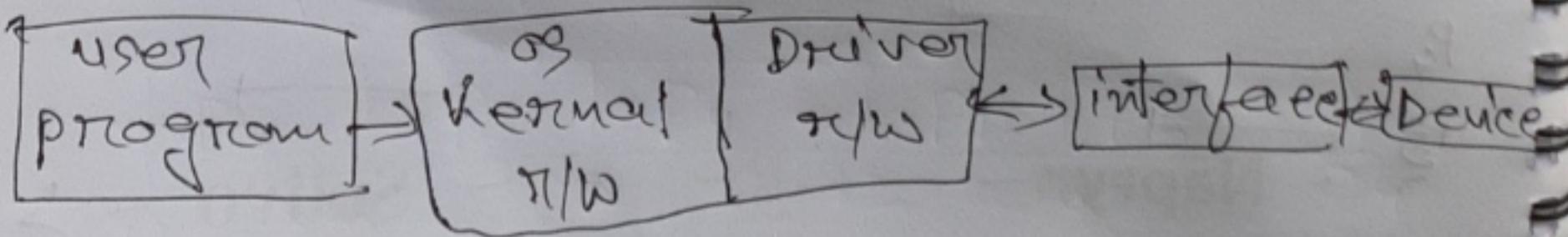


### Hardware



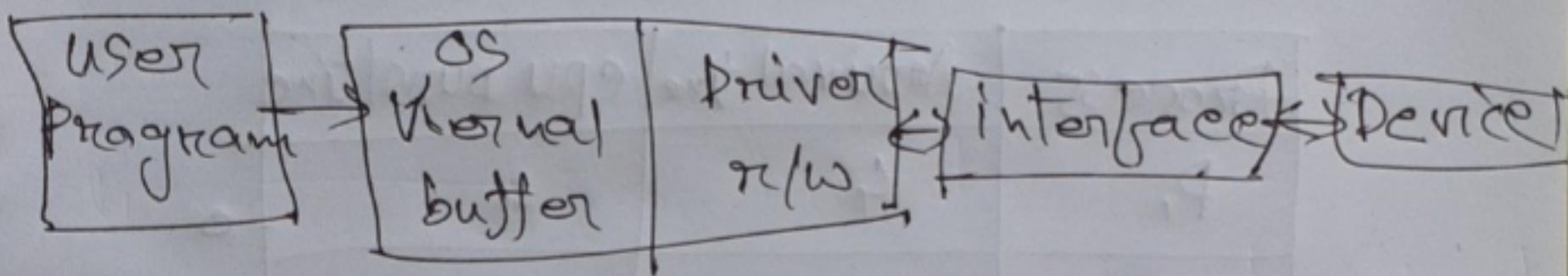
Character Device: It reads only single to ~~single~~ single, that means

~~that means~~ meaning data, are stored in a buffer until the buffer is full, The buffer content physically sent device to a user.

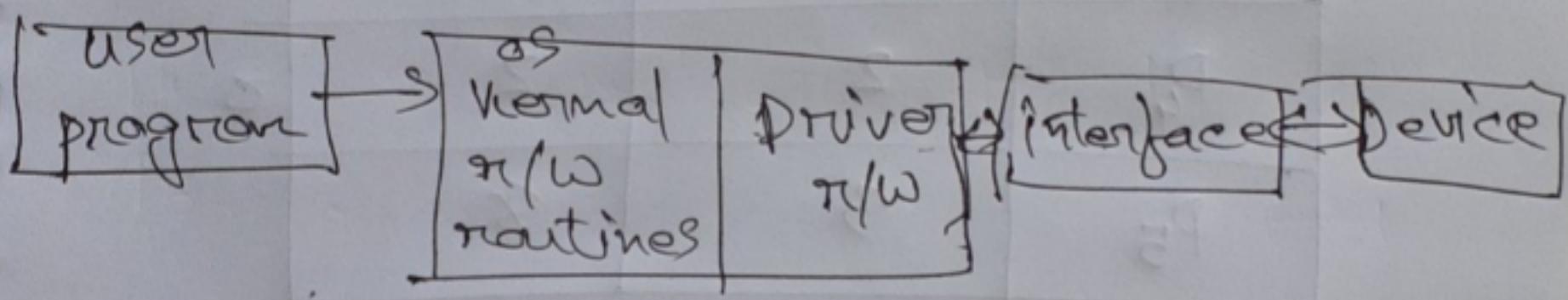


(7)

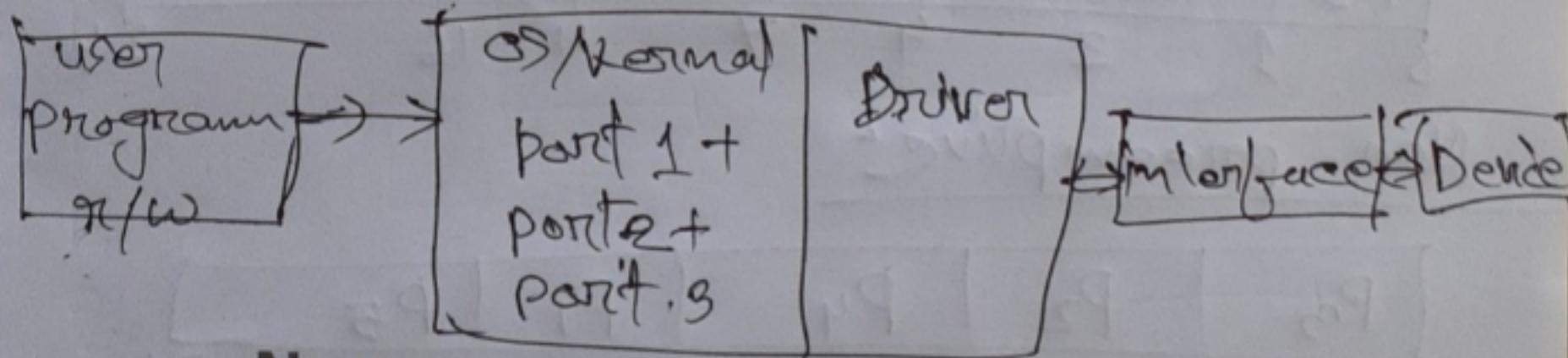
block Drivers: block drivers set of character drivers for users communication



terminal device;



Stream Driver: StreamDriver is a piece of program set of function.



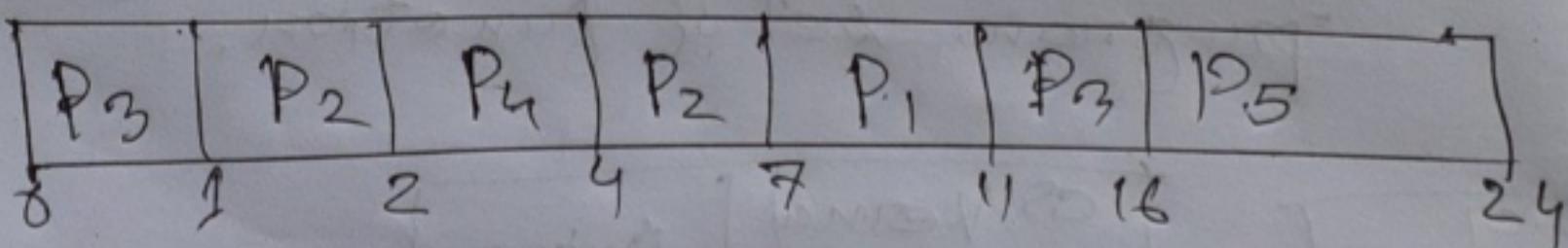
(8)

Answer to the Question no 1

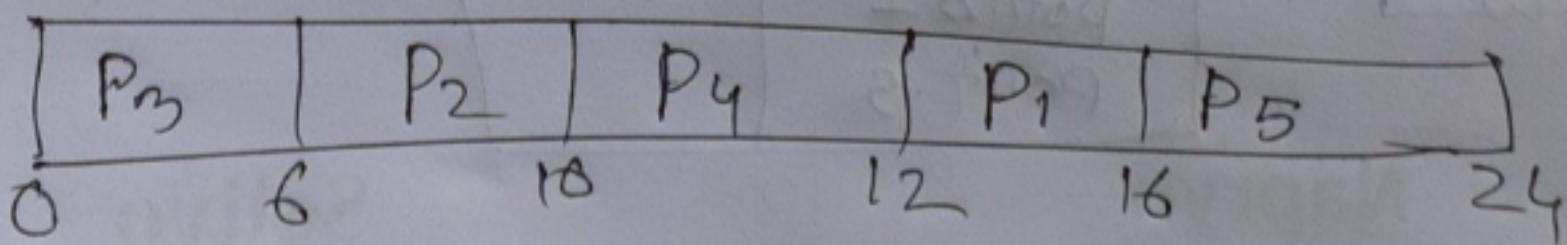
For Preemptive & non preemptive.

Process	Arrival time	cpu burst time	
P <sub>1</sub>	4	4	0
P <sub>2</sub>	1	4	8-0
P <sub>3</sub>	0	6	7-0
P <sub>4</sub>	2	3	0
P <sub>5</sub>	3	8	

Preemptive



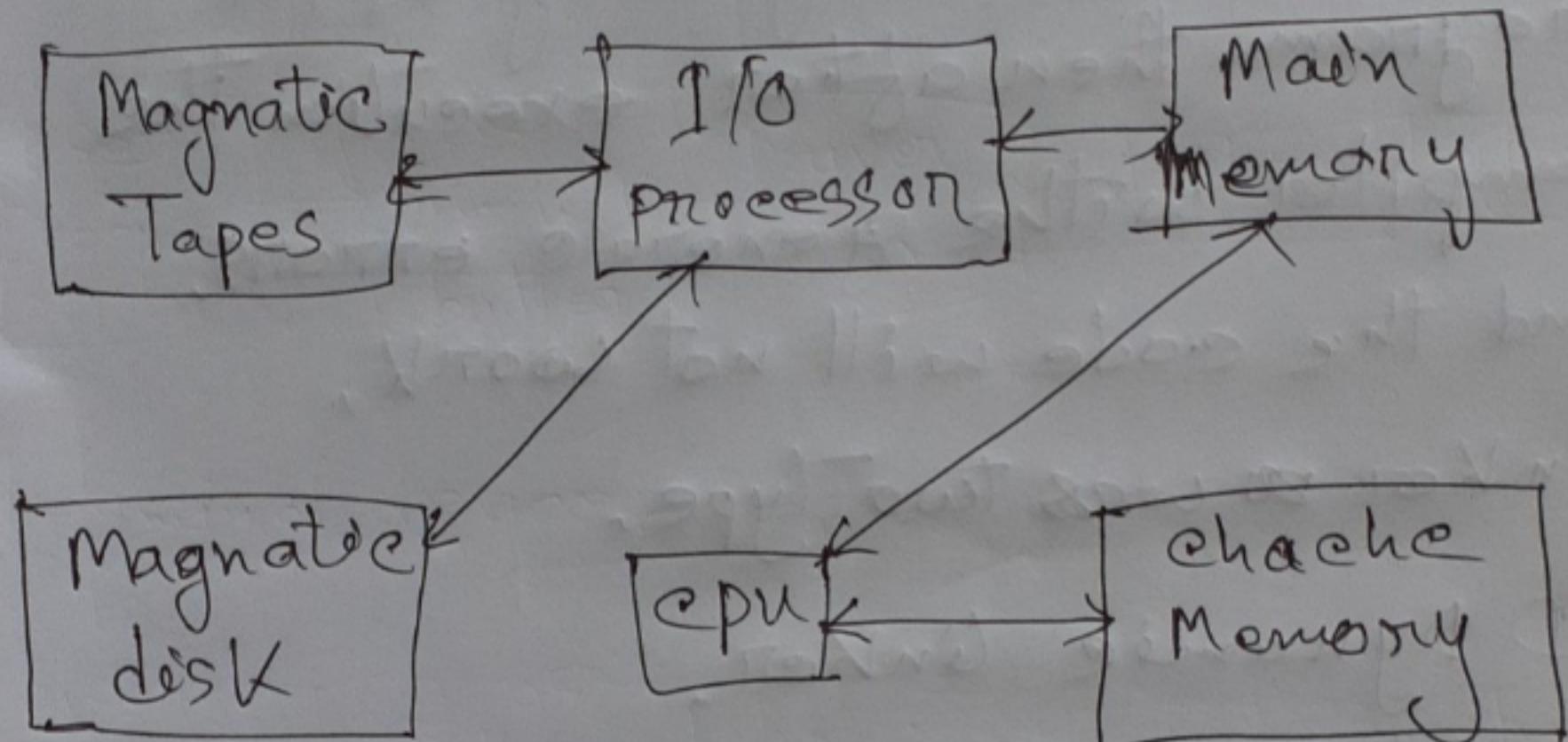
Non-preemptive



(Q)

## Answer to the question no - (6)

- (a) Memory association with CPU.



- (b) Duty of linker and loader;

~~linker~~ <sup>loader</sup> is a program that loads machine codes of a program in the system memory, the OS of the computer that responsible for loading the program. It is beginning of the

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program,

and the linker beginning of the program then after execution the compiler will generate errors, and the code will not work,

Linker was two types

- ① Dynamic Linker
- ② Static Linker,