2**6**

$$\begin{array}{ccc}
 & 2^{5} & 2^{20} \\
 & m \rightarrow & & \\
 & n \rightarrow & & \\
 & p \rightarrow & & \\
 & k \rightarrow & 2^{6} - 1 \\
 & j \rightarrow & 2^{7} - 1 \\
 & j \rightarrow & 2^{7} - 1
\end{array}$$

5 79 EAA 53

$$0 \times \frac{0101}{5} \frac{1001}{9} \frac{0011}{83} \frac{1000}{8} \frac{0010}{2} \frac{453}{2}$$

$$pde \rightarrow pgdin[5] \rightarrow & (E79EAA5B+5)$$

Ans. to 2 Part B

1.1)

2. c)

3, c)

4. 6)

5.

6.0

7. c

8. d)

a - va

131072 → Pa

THE MAN STATE OF THE STATE OF

Marine Jane Harman Janes I state of

distribution of the second second second

2nd page 1+1+1 8x2+1

8191

Ans. to 2

tind -name *. (\$1) \$\frac{1}{5} -type for while need val; do

op * val

filename : \$\frac{1}{5} \text{basename} -- "\$val"

op & filename : \$\frac{1}{5} \text{tilename} \text{filename}. *\frac{1}{5} \text{2}

nm \$\text{val}

done

Ans. to 3

a) count=0

while read | Ime; do

\$count = \$ ((count+1))

if ((4count >= 15)); then

if ((count <= 27); then

echo \$ line

fi

done < 1 input. txt'

fouch grep.txt

fouch grep.txt

while read usage; do

usage >> grep.txt

usage >> grep.txt

done

Ams to 4

This implementation fails as because 117 allows multiple person to be in the 1 17 same step in the same direction. It same desort achieve the torget of constraining one doesn't achieve the torget of constraining one person at a single step or in one direction

sem-up [X] > 2x semaphores each binary sem-down [X]

here at each step 1 of x sem-up [] will constraint of only one person moving upward. Same goes for any in in sem-down [x]

Ans. to 5	
allocurm -> wh i) a new page is allocated -> if RAM has 1000 -> if total page < * MAX_PSYCH PI -> add to TLB	Pol
-> else -> swap pages -> remove the page that has been swapped from TLB if it exists there -> add new page to TLB	\$
2) deallocurm > 11) a page is deallocated -> if page is in RAM -> remove from TLB if it ex	ĸ,
Trap 14 > iii) page fault The	
add to TLB: It TLB has no recom for new page er —> remove oldest entry ->date fled	ntı

→ update flags → add

Ans. to S

No, if interrupts are not enabled, a process might run for forcever on get stuck be. When enabled, a process waiting for an interrupt will release the CPU scheduler & gives let st other process run. Otherwise the when

Ans, to 7

the At may go to sleep even it a othere is a child process which is already in the state ZoMBIE. This will work