Assignmend: 1 (304) Dt.: / / Pg.no.: I) If EA (offset) = 01244 and Ds = 7000h, what will be the physical address generated by 80861 physical Address = Segment x 16 + offset = 70000 + 6129 e 70124 2) what are the advantages of segmentation in - Allow the memory capacity to be I megabyte even though address associated with the individual instructions are only 16 bit wide - Allow the instruction data on stack pontion of program to be more than 64 kbytes long by using more than One code, data on stack Segment Facilitate the use of separate memony areas for a program, its data and the stack. This teasturie Provide protection. + Pennit a program and on its data to be put Into different areas of memory each time the program is executed helps in multiprogramonly. This help in achieving relocatibility. ABPaled .

2) Explain pipelining structure of 8086.

3) Pipelining has become possible due to the use of Quene

BIU fills in the quene Until entire quene is full.

The execution unit always reads the mext instruction byte from the quene in BIU. This is faster than sending out An address to the memory and waiting top the next instruction

In short pipelining climinates the waiting
time of ED and speeds up the processing the
sore BID will not intere a fetch unless
and until there are two empty bytes in its quere

4) How IP, BX, BP, SP helps in producing physical address;

IP, BX, BP and SP Holds offset address

In CS, DS, SS we have Segment Address

Using segment and offset address we can

Grenovate physical address

Briefly explain the consequences IT BHE PIN is

not those in 8086?

If BHE pin not there in 8086 then odd

bunk and even bunk concept not work.

Vsin BHE we have two choise for taking

duty which are byte and word.

when to BHE word as is low we get word in

other case we get byte.

sorajals and van most. - your all maintained as and Balel



