Time for 1 clock pulse = 
$$\frac{1}{11.5\times10^6}\times\frac{1}{10^9}$$

$$\frac{c)}{Ton} = 86.95 \times 40\% = 34.78 \text{ ns}$$

## Ans: to the que no: 3

- There are 4 mays it is possible.
- 1 8 bit from Even Bank

2 8 bit from opp Bank

$$\frac{1}{BHE} = 0$$

$$\frac{1}{Ao} = 1$$

3 16 bit from EVEN-ODD (Aligned)

A0=0

a 16 bit from ODD Bank (Unaligned) ODD EVEN  $A_6 = 1$ BHE = 0 end cycle: EVEN ODD by When we want to access 16-bit data with an odd starting address me have to first get the odd part from odd bank and then in another cycle from even bank. As the data is unaligned it is not possible to access both banks at one go if it starts from an odd location.

$$IP = (123 \times 4)$$

$$cs = (123 \times 4) + 2$$



