- (c)
- 2. Three dependencies

$$I_{i} \Leftrightarrow I_{2}$$

$$I_2 \leftrightarrow I_4$$

$$I_3 \leftrightarrow I_4$$

$$t = \frac{1}{26 \, \text{Hz}} = 0.5 \, \text{ns}$$

IF X X ID EX EX MEM WB

Total time =
$$\frac{2p \times d^{10}}{10 \times d^{20}}$$

= 2×2^{-10} $p \simeq d \times 10^{-3} = 2 \text{ max}$
fround or speed = 600 MHz
= 600×10^6 cycles/see
(yells exprired by $(PU = 300 + 900)$
= 1200
= 1200
Time = $\frac{2}{1200} = 2 \times 10^{-6}$
 $800 \times 10^6 = 0.002 \text{ msec}$

o/o age of procusor time (onemed =
$$\frac{0,002}{2 \times 1000}$$

= $\frac{10}{6}$

5. (B) Both B and C are true only.