1.
$$T_A = \frac{1}{8MHZ} = 125 \text{ ns}$$
 $T_B = \frac{1}{36HZ} = 333PS$

- 2. Sequence |: $|x|^2 + 2x| + |x|^2 + 3x| = 13$ Sequence 2: $|x|^2 + 2x|^2 + |x|^2 + 3x|^2 = 20$
- 3. A的导种调期数= A的 CPU time X 频率= $loo \times 5 \times lol = 5 \times lol$ B的导种调制数= $5 \times lol \times 2 = lol^2$ $CR_B = \frac{B \cos \Theta + 1 \sin \Delta}{B \cos CPU time} = \frac{lol^2}{20} = 5 \circ GHZ$
- 4. $\triangle BCPUPHH, 500PS \times 4 \times IC = 2 \times 16^{9} \times IC$ $BBCPUPHH: 200PS \times 5 \times IC = 1 \times 16^{9} \times IC$ DFABCPUPHHEK, 敖B更快 $\frac{2 \times 16^{9} \times IC}{1 \times 16^{9} \times IC} = 2 \times 16^{4} \times 126^{6}$ $CRB = \frac{1}{CC_B} = \frac{1}{200PS} = 5 \text{ GHZ}$

$$\int \Omega \cdot \frac{IPS(P_1) = \frac{CR(P_1)}{CPI(P_1)} = \frac{3 \times 10^7}{1.5} = 2 \times 10^9}{IPS(P_2) = \frac{CR(P_2)}{CPI(P_3)} = \frac{2 \cdot 5 \times 10^9}{1.0} = 2 \cdot 5 \times 10^9}$$

$$IPS(P_3) = \frac{CR(P_3)}{CPI(P_3)} = \frac{4 \times 10^9}{2 \cdot 2} = 1.82 \times 10^9$$

$$\frac{1}{1} \cdot \frac{1}{1} \cdot \frac$$

b.
$$CN(R) = CPU time(R) \times CR(R) = |0 \times 3 \times 10^9 = 3 \times 10^{10}$$
 $CN(R) = CPU time(R) \times CR(R) = |0 \times 2 \cdot 5 \times 10^9 = 2 \cdot 5 \times 10^{10}$
 $CN(R) = CPU time(R) \times CR(R) = |0 \times 2 \cdot 5 \times 10^9 = 2 \cdot 5 \times 10^{10}$
 $CN(R) = CPU time(R) \times CR(R) = |0 \times 2 \times 10^9 \times 10 = 2 \cdot 5 \times$

C.
$$CPI(R) = 1.5 \times 1.2 = 1.8$$
 $CPI(R) = 1.5 \times 1.2 = 1.2$
 $CPI(R) = |x|.2 = 1.2$
 $CPI(R) = 2.2 \times 1.2 = 2.64$
 $CR(R) = \frac{IC_{RX}CPI(R)}{time} = \frac{2 \times 1.6^{10} \times 1.8}{10 \times 0.7} = 5.14642$
 $CR(R) = \frac{IC_{RX}CPI(R)}{time} = \frac{2.5 \times 1.6^{10} \times 1.2}{10 \times 0.7} = 4.28642$
 $CR(R) = \frac{IC_{RX}CPI(R)}{time} = \frac{1.82 \times 1.6 \times 2.64}{10 \times 0.7} = 6.85642$
 $\frac{time_{R}}{time_{R}} = \frac{CPI'}{CPI} \times \frac{CR}{CR'} = 1.2 \times \frac{3}{5.14} = 0.7$
 $\frac{1}{0.7} = 1.42$ $\frac{1.42}{10 \times 1.42} = \frac{1.42}{10 \times 1.42} = \frac{1.42} = \frac{1.42}{10 \times 1.42} = \frac{1.42}{10 \times 1.42} = \frac{1.42}{10 \times 1.$

6. A.
$$CPI(R) = \frac{l_0^6 x l_0^8 x l + l_0^6 x 20\% x 2 + l_0^6 x 50\% x 3 + l_0^6 x 20\% x 3}{l_0^6}$$

$$= 2.6$$

$$CPI(R) = \frac{l_0^6 x l_0^8 x 20\% x 2 + l_0^6 x 20\% x 2 + l_0^6 x 20\% x 2 + l_0^6 x 20\% x 2}{l_0^6}$$

$$= 2$$

7. Q.
$$CPI_{(A)} = \frac{time_{(A)}}{I(A) \times CC} = \frac{1.1}{10^9 \times 1 \times 10^{-9}} = 1.1$$

$$CPI_{(B)} = \frac{time_{(B)}}{I(B) \times CC} = \frac{1.5}{1.2 \times 10^9 \times 10^{-9}} = 1.25$$

$$b. \frac{f_B}{f_A} = \frac{1.25 \times 1.2 \times 10^9}{1.1 \times 1 \times 10^9} = 1.37$$

$$c. \frac{t_A}{t_{new}} = \frac{1.1 \times 1 \times 10^9}{1.1 \times 6 \times 10^8} = 1.67$$

$$\frac{t_B}{t_{new}} = \frac{1.25 \times 1.2 \times 10^9}{1.1 \times 6 \times 10^8} = 2.27$$