





7. 
$$\bigcirc$$
 TTL  $(2/\bar{p})$ 

8.  $f: 160000$  Hz

T= 10  $\mu$ S

 $10\times 16 = 160$ 

9.  $1111$ 
 $= .1 + \frac{k}{12}$ 
 $F = \bar{A}\bar{B}D + CD + BD$ 
 $+ACD + A\bar{B}\bar{C}\bar{D}$ 
 $A\{11\} = 100$ 
 $A\{1$ 









