

Chapter 1

1a.

D_0

$$t_w = 1 \text{ ms}$$

$$T = 2 \text{ ms}$$

$$\frac{1}{2} \times 100\% = 50\%$$

$$D_1: t_w = 2$$

$$T = 4 \text{ ms}$$

$$50\%$$

$$D_2: t_w = 4$$

$$T = 8$$

$$A_{uty} = 50\%$$

$$B_3 = 50\%$$

b.

$$D_0 = 01010101010101$$

$$D_1 = 0011001100110011$$

$$D_2 = 0000111100001111$$

$$D_3 = 0000000011111111$$

2.

CLK

