

Errata For Text

Chapter 3

Page 84, Example 3.40

Change the formula $C = B \times \text{SNR}_{\text{dB}}$ to $C = B \times \text{SNR}_{\text{dB}} / 3$.

Page 86, Example 3.45 (Solution)

Change 10,000 to **1000** in the shaded box as shown below:

$$\text{Propagation time} = (12,000 \times \mathbf{1000}) / (2.4 \times 2^8) = 50 \text{ ms}$$

Chapter 4

Page 103, Example 4.4

Change 10 Mbps to **1** Mbps as shown below:

A system is using NRZ-I to transfer **1** Mbps data ...

Chapter 8

Page 225, Example 8.4 (Solution) Changes are shown in red.

each with **20** \times **20** crosspoints. In the third stage we have 20 crosspoints each with 19×10 crosspoints. The total number of crosspoints is $20 (10 \times 19) + 19 (\mathbf{20} \times \mathbf{20}) = \mathbf{15200}$.

If we use a single-stage switch, we need $200 \times 200 = 40,000$ crosspoints. The number of crosspoints in this three-stage switch is **38** percent that of a

Chapter 10

Page 290, Problem 10-16

Change Table 10.7 to **Table 10.4**.

Page 290, Problem 10-17

Change Table 10.7 to **Table 10.4**.

Chapter 11

Page 321, Problem 11-5

Change Figure 11.9 to **Figure 11.11**.

Page 322, Problem 11-8

Change Figure 11.12 to **Figure 11.13**.

Chapter 12

Page 349, shaded box

Change 1 to 0. Change is shown in red.

$$[-1 \ -1 \ -3 \ +1] \bullet [+1 \ -1 \ +1 \ -1] = -4/4 \rightarrow \text{bit } \mathbf{0}$$

Page 355, Q12-12

Change Aloha to **CSMA/CD**.

Page 355, Q12-13

Change Aloha to **CSMA/CA**.

Chapter 13

Page 433, delete problem P14-12 (it is duplicate).

Chapter 15

Page 442 Figure 15.7, delete extra circle after the last ACK.

Chapter 19

Page 567, correct the shaded box as:

```
Wrapped sum = sum / modulus + sum % modulus
```

```
Checksum = FFFF – Wrapped sum
```

Chapter 20

Page 662, Problem P21-7:

Change Network to **Router** (second line).

Change 13.23.0.0/6 to **134.23.0.0/6** (third line).

Chapter 22

Page 662, Problem P22-15:

Change site local to Unique Local Unicast Block.

Chapter 25

Page 844, Table 25.6:

Line 7: change mist to **mysite**.

Line 7: change tachypnea to **getByName**

Chapter 30

Page 1075, Programming Assignment:

Change Prg30-21 to **Prg30-1**.

Change Prg30-22 to **Prg30-2**.

