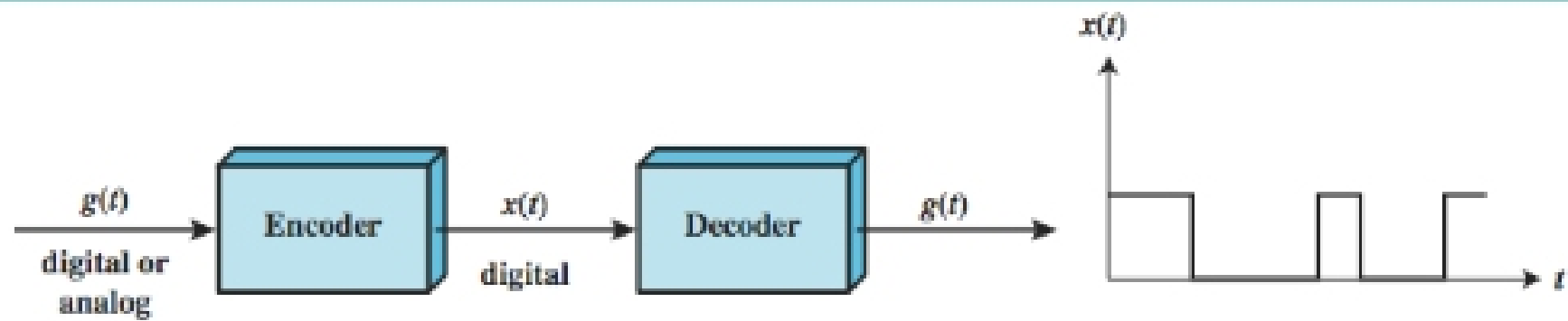


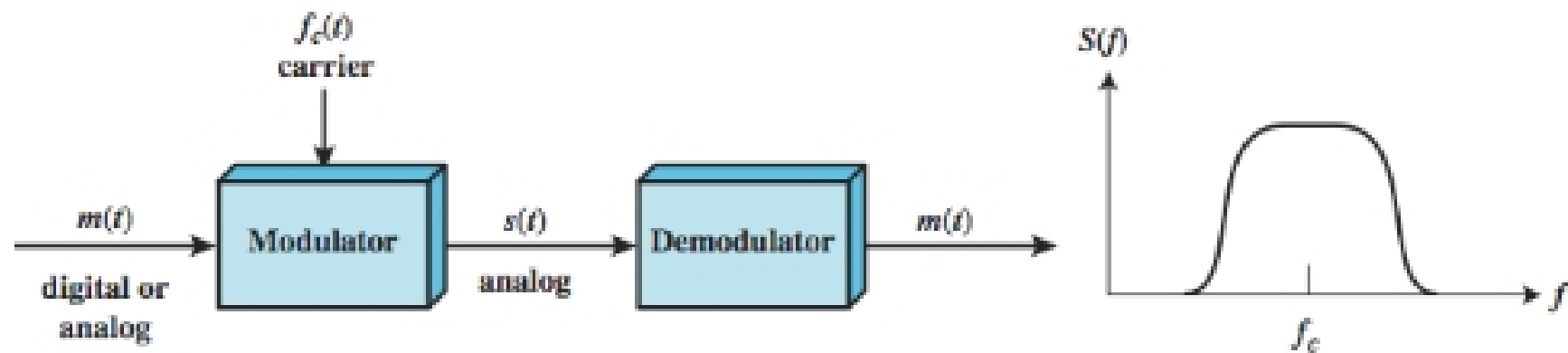
Data and Computer Communications

Chapter 5 – Signal Encoding Techniques

Signal Encoding Techniques



(a) Encoding onto a digital signal



(b) Modulation onto an analog signal

Figure 5.1 Encoding and Modulation Techniques

Digital Data, Digital Signal

➤ Digital signal

- **discrete, discontinuous** voltage pulses
- Each bit is a signal element
- binary data encoded into signal elements

