Solution Quiz#1(5A)

MCQ's

1. c
2. d
3. b

T/F

1. F
2. F

Q2.

The bandwidth delay product = 512 × 103 bits/sec × 1000 × 10−3 sec
= 512,000 bits = 64,000 bytes
= 62.5 KB

Q3.

(a) Transmission Delay

(b) Transmission delay = L/R = 8 bits/byte * 2,000 bytes / 4,000,000 bps = 4 ms

Propagation delay = d/s = 1,500 / 2.5×10^5 = 6 ms Therefore, the total time = 4ms + 6 ms = 10 ms