Solution Quiz#1(5B)

MCQ's

1. b
2. c
3. d

T/F

1. F
2. F

Q2.

Transmission rate of server = Rs = 16 Mbps = 16 * 106 bps
Transmission rate of access link = Rc = 4 Mbps = 4 * 106 bps
File size = L = 200 million bits = 200 * 106 bits
Transmission rate of bottleneck link (i.e., Rc) will be used for the purpose of delay calculation becasuse
min (Rs , Rc) is Rc.
Time required to transfer the file =
L/ R = L / Rc = 200 * 10^6 / 4 * 10^6 = 50 seconds

Q3.

The through put will be 10mbps. The reason is that the through put is the minimum of all the transmission rate the occur inside its path. The minimum transmission rate is 10mbps so that will be the through put.