SOLUTION QUIZ-02 BSE-6A

QUESTION-01

- 1) B
- 2) B
- 3) C
- 4) B

TRUE/FALSE

- i. True
- ii. False

QUESTION-02

- (a) Non-persistent = 4 HTTP requests (One for each of the four objects), persistent without pipelining = 4 HTTP requests, persistent with pipelining = 2 HTTP requests
- **(b)** 2RTT + T = 2RTT + [L / min (R_{DSL}, R_{LAN}, R_{ACCESS LINK})] i.e. (2* 150ms) + (10K x 8 / 100K) = 300ms + 800ms = 1100ms = 1.1 s
- (c) $(4 * 2 RTT) + T = 8 RTT + (L_{BASE} / min (R_{DSL}, R_{LAN}, R_{ACCESS LINK})] + [L_{1ST object} / min(R_{DSL}, R_{LAN}, R_{ACCESS LINK})] + [L_{1ST object} / min(R_{DSL}, R_{LAN}, R_{ACCESS LINK})] + [L_{1ST object} / min(R_{DSL}, R_{LAN}, R_{ACCESS LINK})] i.e. [4 * 2 x 150ms)] + [(10K + 20K + 30K + 15K) x 8 / 100k] = 7200ms = 7.2 s$