

Answer 1:

a. For Nonpersistent HTTP

For the base HTML page 2 RTTs and for other 10 very small objects, $2 \times 10 = 20$ RTTs.

So, the total RTTs needed for Nonpersistent HTTP is $= 2 + 20 = 22$

b. In case of Persistent HTTP, it is the same for the base HTML page, 2 RTTs and for the other 10 small objects it would be $1 \times 10 = 10$ RTTs.

So, in this case the total RTTs required is $= 2 + 10 = 12$

Answer 4:

	Stop-n-Wait	Go-Back-N	Selective Repeat
Minimum No. of Sequence number required	a) 2	b) $N+1$	c) $N+N$
Sender's buffer size	d) 1	e) N	f) N
Receiver's buffer size	g) 1	h) 1	i) N
No. of timers required	j) 1	k) 1	l) N