424	
	COMPUTER NETWORKDate: / / Page No.:_
_	Name-Assutosh soni.
	Td-2018UCP1505.

pos :-

Given data.

Transmissem Rate (R) = 150 bits /bec.

Packet length (L) = 100,000 bits long

control data = 200 bits

Object data = 100 kbits

Distance (d) = 10 meter.

N=10.

a = dp (propagation delay) + d+ (frans mission delay)

 $d+=\frac{L}{R}$ seconds.

dp = d = Tp.

Bandwidth = 150 bits / sec.

Number of connections (N) = 10

The negerenced object)

Bandwidth= 150 bits/roc.

=13 bits / sec,

Time for an recoived abjects.

=> 7377+8×Tp seconds.

Total time for persistent HTTP connection;

Let us that the propagation speed of the.
modium is 300×106 m/sec.

Then
$$Tp = 10 = 0.03 \text{ micro}$$

 300×106 seumo

No expect significant gains over the non-persistant,