SUB: Computer Networks Date
Page
Page SEC: E NAME YISHWAS.M. 1 Transmission delay = L & 500 = 0.0828 KBS Transmission rate (R) = 0.4 - 0.08 & 2. I wouldn't choose the dedicated link for this very purpose transmitting at 100Mbps as the t = L/R = 800,000. But I day = 86,400s. Therefore I shoose I day delivery.

3. Given that Prop-delay = 1000 * Trans-delay. 3×103 = otrans + 1000 clarans. : Trans-delay = Prop-delay & 2 2x10 = 0.66 pis. :- The Kansmission delay is 0268 × 10° seconds. 4. By considering transfering data over link: Propagation delay = d - 350 x 103 - 17.5 x 104 sec Transmission delay = L = 100×10¹² = 10⁵sec. :. The total delay is , 17.5×104 + 105 ≈ 105 sec // By considering driving to Chennai & comming back: 7hrs + 7hrs = 14hrs = 50400sec/ : Transferring data through data link is dominant when compared to driving to Chinnai & Coming back-

PESQUGIQUES 390 5. Propagtion delay = 10 x 103 = 15 = 0.4 x 10 = 0.04 & = 40 m Transmission delay = 100 × 10° × 8 $= 10^{5} \times 8 = 8 \times 10^{2}$ - 0.088 80ms · Total end to end delay = Propagation delay + Transmission dela = 40 ms + 80 ms ISP cannot delives their promise. 6 In account switching, setup delay = Sooms Hansmission rate (R) = 100 Mbsp.
Packet size (L) = 16 Kbsp = 16 x 8 x 10 bits End to End delay = 8×16×103 = 8×16×10= 128×10 +500×103 1.28×103+500×10-3 = 501.28×103 s. In Packet Switching, Queing delay = 10ms/packet. Transmission speed = 10 Mbsp.
Packet size = n. End to End delay = 10n + 16 × 103 = 10n + 1.6 × 103 s

