IM D, Communication I a) capacity - rate at which symbols ca be
placed into channel lakey. In from insertion of symbol to reception. b) i) XDN/XDFF - regione bound on channel latercy so it varietion inbounded it degrit with. 12) Stream redir - reed to bafter expected variance it sugh awaten. - If the way then can cause publishers for participants in) protocol truls - read the act adjusted to be above expected variances makes twent laps than just acque chand delay - a channel will go idle. c) Px acknowledges each tx packet, tx sends next on ach, tx trouverts of no ach and resends d i

1) 10 ms - mrs 20% of packats

expect time per packet (in ms):

$$(.8)(2-)+(.2)(.8)(12)+(.2)^{2}(.8)(22)+...$$

$$=2+(.8)(0)+(.2)(.8)(10)+(.2)^{2}(.8)(20)+...$$

$$=2+(.8)(10)\sum_{i=0}^{\infty}i(.2)^{i}$$

$$=2+(.8)(10)\frac{.2}{(.8)^2}=4.5 \text{ or } \frac{1100}{4.5} \text{ perchal/se}$$

Similarly for 12ms, miss 10% so

$$2+(.9)(12)\frac{.1}{(.9)}z=3.3 \text{ ms per pachet or}$$

 $300 \text{ pach /Sec}.$