COMPUTER NETWORK UNIT-4 ASSIGNMENT-4

CSA0735.

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Scenario: A video Conferencing Lystem Uses QUIC + Foguard Error Corection (FEC).

Parameter:

15 LOSS = 5%.
15 Packet Size = 1000 B.
15 FEC adds 20%

Questions:

1. What is actual packet Size with FEC?

Ans: FEC adds 20% of redundancy to each other.

- · 20% of 1000 bytes = 0.20 x 1000 = 200 bytes.
- . 50, actul bize per packet with .FeC = 1000+200 = 1200 bytes.

Answer = 1200 bytes.

2. For 10,000 packets, how many redundancy Packet are sent?

Sol:

FEC adds 20% extra dala. That means for every packet, 20 redundancy packets.

• Redundancy packets = 10000 × 0.20 = 2,000 packet.

Answer = 2000 redundancy packet.

3. What is to tal over head in MB?

Ans:

Overhead = Exctra data due to FEC.

Each gredundancy packet = 1000 kytes.

-> Total overhead = 2000 x * 2000 bytes.

Convert to MB.

1024 × 1024