VISION

2> Compare classical IP over ATM

- ① ATM is connection-excinted while IP is connectionless.

 ⇒ This means that the establishment of connection between two points in ATM defined the route all colle related to that connection must travel. Each data cell traversing the route carried an address specific to the link it is currently on, and this address is not globally unique if route broken, new connection restablished before data transfer con resume

 ⇒ Each IP packet carried a full destination address and there is no concept of connection at IP level to a consequence, there is no reason that consecutive IP datagrooms need to traverse the network by some route, providing they arrive at the required destination.
- 2) It onsecutive IP datagrams travel different rower, they may arrive at their destination in different order in which they were transmitted Therefore, IP connot glearentee order, and higher layers may need to re-order packets at they arrive conversely, as cells an given connection travel by some path, there is no reason for them to arrive out of order, and thus ATM guarantees that cells, if they arrive, will arrive in ORDER
- 3) ATM assumed links are highly reliable and have very low rates of cell lost & cell corruption, which IP mokes no such assumptions

SUBMITTED BY:

BHAGYA VINOD RANA

UIGCSOID