Q. 2

ARQ ERROR CONTROL TECHNIQUE

(i.) Stop and wait ARQ is a form of stop and wait flow control extended to include retransmission of data in case of lost or damaged frames.

(ii) For retransmission of corrupt frames, four features are added to the basic flow control mechanism.

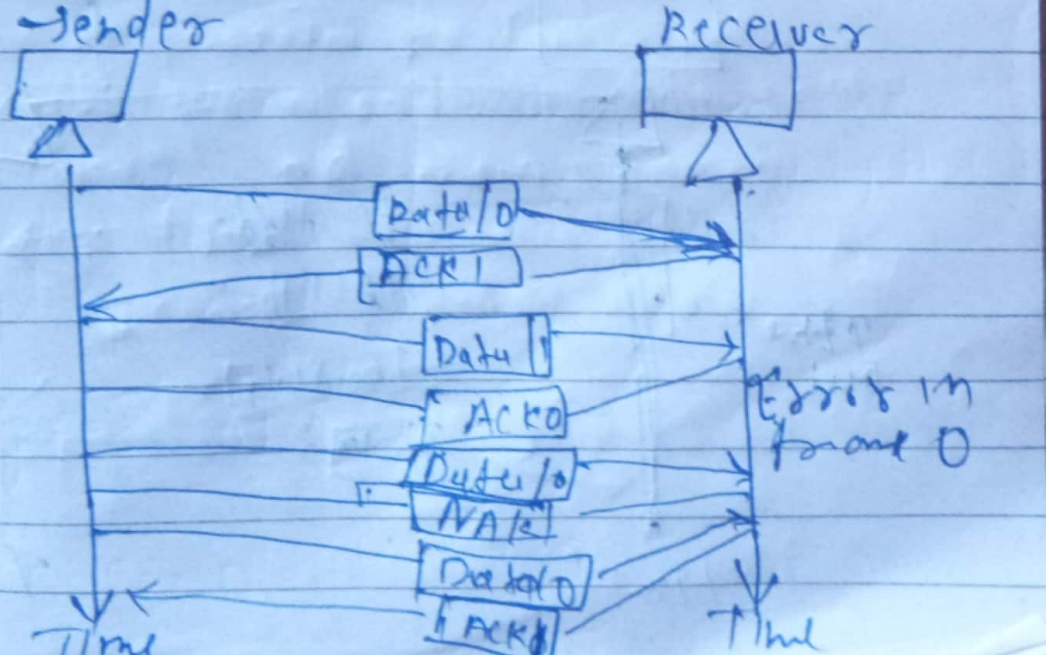
(iii) The sending device is equipped with a timer.

(iv) If an expected acknowledgement is not received within an allocated time period, the sender assumes that the last data frame was lost in transit and sends it again.

Following are the operations are..

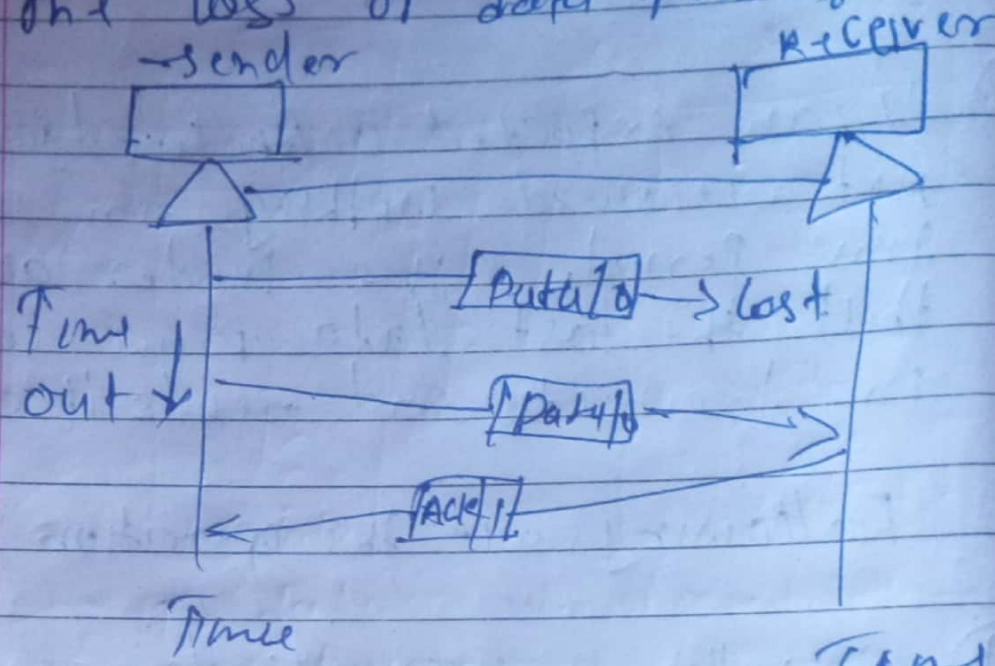
(A) operation in case of damaged frames.

(i) The sender retransmits data 0, this time data 0 arrives intact and the receiver returns ~~ACK~~ ACK 1.

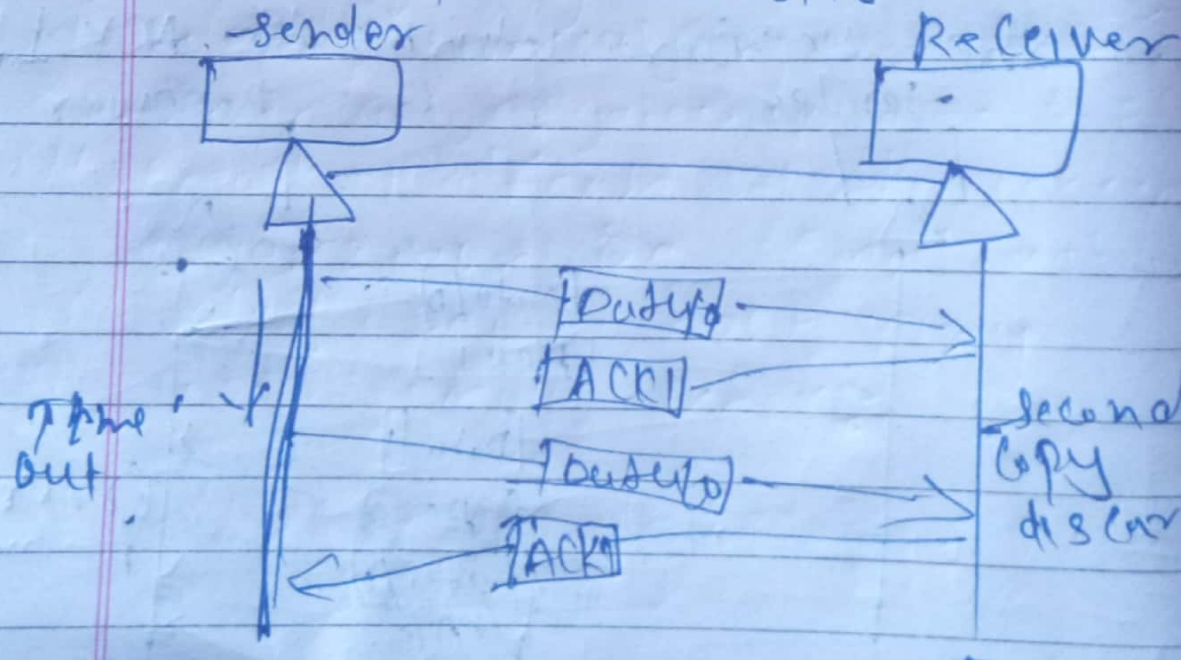


B) operation in Case of lost frame

Any of the three frame type can be lost in transit. how stop and wait ARQ handles the loss of data frame.



(C) operation in case of lost acknowledgement The sending returned by the receiver is lost in transit.



Different types of Satellite.

(i) Satellites can be classified by their function since they are launched into space to do a specific job.

(ii) the Satellites must be designed specifically to fulfill its role.

(iii) they commonly move in a geostation orbit.

- Communication satellite
- Remote ~~sensing~~ sensing Satellite.
- Navigation Satellites.
  - (GPS)
  - (GEOS)