SECURITY SERVICES OF X800 DAuthetication - assurance that the communicating entity is the one Peer Entity Authentication - used w1 a logical connection to provide in the identity of the entities connected. Data-Origin Authentication- in a connection-less transfer, provides assurance that the source of received data is as claimed. (2) Access control - prevention of unauthorized use of a resource. This service controls who can have access to a resource, under what conditions access can occur, & what those accessing the resource are allowed to do. 3) Data Confidentiality - protection of data from unauthorized disclosure. · Connection confidentiality - protection of all user data on a connection. · Connectionless confidentiality - " " in a single data block. · Selective - field confidentiality - The confidentiality of selected fields wiin the user data on a connection or in a single data block. · Traffic - flow confidentiality - protection of info that might be derived from obser -vation of traffic flows. 4) Data Integrity - assurance that the data received are exactly as sent by an authorized entity (no modifications). · Connection integrity w Recovery - provides for the integrity of all user data on a connection & detects any modification linsertion / deletion / replay of any data wlin a data sequence, we attempted recovery. · " " wlout Recovery - same as above, but wlout recovery. · Connectionless Integrity - provides for the integrity of a single data block & may take the form of detection of modification. · Sclective - Field connection Integrity - provides for the integrity of selective fields win the user data of a data block transferred over a connection & determines whether the selected fields have been modified, inserted, deleted, or replayed. ·Selective - Field connectionless Integrity - " " wlin a single connectionless data block; determines whether the selected fields have been modified. 5 Nonrepudiation - provides protection against denial by 1 of the entities - ation involved in a communication of having participated in all or part of the communic Nonrepudiation, origin - Proof that the mag was sent by the specified party. Nonrepudiation, Destination- Proof that the msg was received by the specified pasty.