93) list the entities of Mobile 19 and describe data transfer bom a mobile node to a fixed node and vice versa. Evaluate why and were where is encapsulation needel? Ans] The entities of mobile 11 age: Mobile Node (MN) Home Network (3) Home Agent (B) Horse Address.
(S) foreign network.
(B) foreign Agen (FA).
(D) Correspondent Mode (IP): Care of Address (COA). > Correspondent node sends the data to the notile node. Date packets contains correspondent node's

DO

data to the mobile node. Data

parkets contains (orrespondent node's
address (source) and home address.

Parets reaches to the home agend
But now nobile node is not in
the home network, it has moved
into the toreign network, foreign

agent sends the COA to the home

agent to which all the packets skould be sent. Now, a tunnel will be established between the home agent and the foreign agent by the process of tunneling, Tunneling establishes a Virtual gipe for the packets available between a tunnel entry and an endpoint. It is the process of sending a packet via a hunnel and it is achieved by a mechanism called enlapsulation Now, hore agent encapsulates the data packets into new packets in which the source address is the home address and destination is the care-of-address and sends it through the tegrismond tunnel to the fA PA, on other side of tunnel receives the Lata packets decapsulates them and sends them to the MN. MN in respon to the data packets received sends a reply in response to fa tA

disectly sends the seply to the

correspondent node.